EXHIBIT 2

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6424

BAE Start Date:	05-20-1997	**BAE Name:**	Gail Deaton
			Ron Cochran
BAE Comp. Date:	05-22-1997	**BAE Tele. No.:**	977-3615
	07-16-1997 revision 1		977-7444
BAE Hours:	42	**LA Assigned:**	

CMVC Component Name: Job Entry-EWO

Associated Defect/Feature No.:   6424

Target Release: **Target Release Date:**

(give target release this   Phase_2.1   (give target release   ASAP
needs to be in)   date for this
enhancement)

Priority:

(provide priority from   Production_hi
'feature priority' list –
production_hi through
deferred_low)

Revision No.:   1

Reason for Revision: Reformat the functional requirements to enumerated sections

Subject:

(brief description of change)

1. Job Entry-EWO: Provide the functionality of move work from a contract(s) to another contract(s) as master contracts expire.

2. Job Entry-EWO: Add batch process to accommodate item 1.

3. Job Entry-EWO: Provide the functionality to configure and assign a job to a new master contract not yet in effect

4. Job Entry-EWO: Revise the Contract Bid form to facilitate the moving of individual substeps.

5. Job Entry-EWO: Change the configuration process so it knows when to include open and closed substeps in configuration.

6. Job Entry-EWO: Remove the functionality in configuration that uses the contract "type" logic.

7. Configuration Editor: Remove the Contract Type field on the Resource Group/Work Type form.

8. Management Reports: Remove Contract Type column from the Resource Configuration Report.

Introduction:

(description of what system currently does, what needs to be changed and why)

Currently, the system has no method of transferring work authorizations from the old contract to the new when a master contract is expiring. These changes will allow the field users to move work from one contract to another. It will also allow work, which is being encoded, to be configured and assigned to a new master contract not yet in effect.

Solution:

(describe what the system
will or should do and any
general constraints or
conditions that limit the
solution)

1. Job Entry-EWO: Create a new form to identify entire jobs to be moved from the old contract number(s) to the new contract(s).

2. Job Entry-EWO: Create a new process to facilitate the moving of entire jobs from the old contract(s) to the new contract(s).

3. Job Entry-EWO: Provide a new field on the Encode a New Job form and the Job form to designate a Contract Date which will be used to determine what contract is in effect at a particular date in time. This will provide the user the ability to encode work to a contract, which is not yet in effect. Change the configuration processes to use contract(s) which are in effect for that wire center on a specified Contract Date rather than the current date.

4. Job Entry-EWO: Revise the Contract Bid from to facilitate the moving of individual substeps between contracts.

5. Job Entry-EWO: Change the configuration process so that it knows when to include both open and closed steps when calculating CWIs.

6. Job Entry-EWO: Remove the functionality in configuration that uses the contract "type" logic.

7. Configuration Editor: Remove the Contract Type field in configuration editor on the Resource Group/Work Type form.

8. Management Reports: Remove Contract Type column from the Resource Configuration Report

Change(s):

(detailed description of change) – [add additional rows if multiple changes])

1. Job Entry-EWO: Develop Move Jobs-Contract functionality.

   1.1 User needs to be able to designate the state, CMC and wire center in which jobs should be moved.

   1.2 Once the wire center is chosen, all job numbers, which have, open contact substeps belonging to that wire center should be displayed.

   1.3 User needs to be able to identify the contract to which the job should be moved by providing the contract's effective date. This date must be a future date.

   1.4 User needs to be able to select and deselect the jobs to be moved.

   1.5 Only jobs from one wire center may be moved at a time. If jobs from more than one wire center should be moved, the user must Save before selecting a new wire center.

   1.6 Upon saving, the system should check to see if a valid master contract(s) for that wire center is effective for the date specified by the user. If not, error.

   1.7 Information from this screen should be held in a until which time a batch process runs to re-configure the jobs identified to be moved.

2. Job Entry-EWO: Batch Run

   2.1 The batch process file should include the following information: the CMC, Effective Date, Job Number, Job Wire Center, Contract Number(s) and ContractorID necessary for the batch program. It should also carry the associated CUID(s) of the persons requesting the Move feature.

   2.2 This batch program should run a modified configuration program. The purpose of this program is to replace the

existing contract number, CI's, CWI's on the substep level with the new contract(s).

2.3 The program should check each "job wire center" to the Exhibit "C" wire center on any master contract(s) which are effective on the date supplied by the user. Once the contract(s) is found, the jobs should be reconfigured with the following stipulations.

    2.3.1   If the new contract number has the same contractor nickname as the old contract number, configuration should include both open and completed substeps on the job using the new contract number format. (This does not mean that CWI Codes are changed for completed substeps. It just means that they are considered when calculating the CWI's <groupings> for open substeps using the new contract. The completed substeps should remain in the data base with the old contract number and CWI's. (Any future added/deleted/changed substeps with subsequent configuration in Job Entry will have to include this factor. (A configuration override indicator on these substeps might be considered.)

    2.3.2   If the new contract number has a different contractor nickname, only open substeps are reconfigured. CWI groupings only apply to the open substeps on the job authorization. Again, completed substeps remain with the old contract number and remain in the database as they are presently populated.

2.4 Any substeps which fail configuration should not be moved, but will remain in the data base under the old contract number. A report of the reasons for each failure should be open mailed to the CUID of the person who requested the Move in the Job Entry – EWO.

3. Job Entry-EWO Contract Date Field

3.1 Provide a new field on the Encode a New Job form and the Job form to designate a Contract Date. This field is a date field (mm/dd/yyyy). Default to the current date. The user may overtype with a future date only.

3.2 Presently, the configuration process uses the contract(s) which are in effect for the current date. If this field is populated with a future date, the process should look for the contract(s) which are in effect for that wire center on the date entered by the user. Whatever contract is in effect for that wire center on the Contract Date entered should be used.

4. Job Entry-EWO: Contract Detail form

4.1 Re-label form from Contract Bid to Contract Detail.

4.2 This form should be redesigned similar to the example in the attachment which is a prototype from the Bid and Award module.

4.3 The job contents area on both the top and bottom should be identical when the form is originally displayed. However, after that time, there is separate functionality. Either job contents area should be able to be expanded according to the business rules currently in place. Specifically, the job should be displayed with a contract number associated with that job in the tree. As folders are opened the prints and steps are displayed with the substeps finally being populated in the appropriate grid associated with that particular job content

tree. The grid heading should indicate which contract number is being displayed for the associated substeps.

4.4 No grid should be populated specifically for the Bid Pool. Rather the bid pool should be displayed as another "contract number" in the contents form. Only when the bid pool folder is opened in the contents should the grid become active with the "Bid Pool" as its title.

4.5 Substeps which are to be moved from the old contract number to the new contract number will be moved by using the "associate" icon. If the associate function is used, one of the grids must be blank with no focus in the contents form.

4.6 The following is the users perspective of how the screen should operate when jobs are to be moved.

    4.6.1   The user will open a folder in one of the contents form.

    4.6.2   The open substeps for that contract are displayed in the appropriate grid.

    4.6.3   The user will select the substeps in the grid by highlighting individual or a select all function.

    4.6.4   The associate icon will be clicked.

    4.6.5   The text box will be displayed and the user will enter the new contract number.

    4.6.6   Once the OK is selected, the "other contents form will be refreshed with the new contract number and the appropriate substeps which were chosen will be displayed.

    4.6.7   The user may select other substeps by "dragging" them to the new contract grid. This is a retention of the current method of moving substeps between contracts and bid pools.

4.6.8 If the user tries to open the same contract in both grids. Issue EMU: Contract XXXXX is currently open in one Move Grid. Cannot open in 2nd grid.

4.7 The user should only be allowed to move work between one contract to another without saving the work. Upon SAVE, the system should reconfigure the job using the same basic rules as the batch configuration process.

    4.7.1 If the new contract number has the same contractor nickname as the old contract number, configuration should include both open and closed steps on the job using the new contract number format.

    4.7.2 If the new contract number has a different contractor nickname, only open substeps are considered in configuration.

4.8 Once configuration is successful, the job contents area should return to its original condition.

4.9 Using the above procedures, the user can move work from multiple contracts to single contracts or the reverse, by performing the function based on substeps. The above procedures will also allow the user to move jobs back to the old contract if it is decided that this is necessary.

5. Job Entry-EWO: Change the configuration process

5.1 Configuration should check each "job wire center" to the Exhibit "C" wire center on any master contract(s) which are effective on the date supplied by the user. Once the contract(s) is found, the jobs should be reconfigured with the following stipulations.

    5.1.1 If the new contract number has the same contractor nickname as the old contract number, configuration should include both open and

completed substeps on the job using the new contract number format. (this does not mean that CWI Codes are changed for completed substeps. It just means that they are considered within calculating the CWI" <groupings> for open steps suing the new contract. The completed substeps should remain in the data base with the old contract number and CWI". (any future added/deleted/changed substeps with subsequent configuration in Job Entry will have to include this factor. (A configuration override indicator on these substeps might be considered.)

5.1.2 If the new contract number has a different contractor nickname, only open substeps are reconfigured. CWI groupings only apply to the open substeps on the job authorization. Again, completed substeps remain with the old contract number and remain in the data base as they are presently populated.

6. Job Entry-EWO: Remove the functionality in configuration that uses the contract "type" logic.

6.1 Since contract types may be different in a future environment that the current environment, the configuration processes should be modified to not use the contract "type" logic that is presently used. Rather the CI and CWI codes should determine the appropriate contract.

6.2 Current logic = work_type $\rightarrow$ rg_wca $\rightarrow$ contract_type $\rightarrow$ ospmcd (OSP contract)

6.3 Proposed logic = work_type $\rightarrow$ rg_wca $\rightarrow$ ospmcd (OSP contract) $\rightarrow$ contract_type

7. Configuration Editor: Remove the Contract Type field in configuration editor on the Resource Group/Work Type form.

7.1 As a result of item 6, this field should be removed.

8. Management Reports: Remove the Contract Type column from the Resource Configuration Report.

Performance Requirements:

(list any performance requirements associated with this change)

Performance should not be affected.

Dependencies:

(list any defects or features that this enhancement is dependent on)

Benefits:

(provide benefits in dollars, reduced headcount, time, savings, etc. for doing this work)

Allows for the conversion to new master contracts.

Affected Components:	(check) Yes	(check) No
RTOC Instructions		
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports	X	
Database	X	

Interfaces:

(list any legacy or new   None

interface systems impacted

by this change)

Work-around:	**(check)**	**(check)**
	Yes	**No**
(is there a temporary work around??) (describe work around in detail)	X	

Risks:

(list factors that impact,   This is a show stopper. When a CMC renews a master contract,

positive/negative, not doing   we presently do not have a method in OSPCM to convert to the

this change)   new contract(s).

Business Rules:

(list any business rules or

constraints that should

apply)

Document Changes:

(list affected documents

requiring change)

Acceptance Criteria/Test Scenario:

(list test scenarios required

to test change prior to user

acceptance) **<u>REQUIRED</u>**

Attachments:

(copies of screens, reports, etc. before and after proposed change)	Form prototypes for Encode a New Job and Contractor Work Items. Test scripts.

Signatures of Agreement:

(add additional rows if necessary)

BAE:	Gail Deaton
BAE:	Ron Cochran
Team Manager:	Marty Smith
Team Lead:	Karin Olinger
Analyst:	Mark Shockey
Analyst:	Mitra Partian
Analyst:	Byron Thomas
Test Manager:	Kathy Klammer

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 3640

BAE Start Date:	December 4, 1996	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	December 12, 1996	**BAE Tele. No.:**	205-977-3611
BAE Hours:	18	**LA Assigned:**	Karin Oinger

CMVC Component Name: Reorg

Associated Defect/Feature No.:   3640

Target Release:

(give target release this   2.0x
needs to be in)

Target Release Date:

(give target release   September, 1997
date for this
enhancement)

Priority:

(provide priority from   Production_hi
'feature priority' list –
production_hi through
deferred_low)

Revision No.:   2

Reason for Revision: Update spec with information from BAE/SME & Reorg Meetings
(Revision Date: January 25, 1997, additional BAE hours 20)
Update spec with information from functional walkthrough
(Revision Date: June 17, 1997, additional BAE hours 3)

Subject:

(brief description of change) Functionality to 1) rename a wire center 2) move wire centers/inventory sites between CMCs (Construction Management Center) 3) change resource id's assigned to the jobs that are involved in the reorg.

Give the user the capability to create, update, delete, approve, unapprove, and search for reorg data.
Due to the time frame allowed for development, reorgs across states have been deferred to a later release.

Introduction:

(description of what system currently does, what needs to be changed, and why) The system does not handle the moving or renaming of wire centers and/or inventory sites. Also can not mass update the resource id assigned to a job (a resource id assigned to a ajob can be changed in pre-survey).

Enhance the system to handle wire center name changes, movement of wire centers/inventory sites between CMCs, and to handle changing resource id's assigned to work the jobs.

At this time, the Reorg process will not provide for moving inventory to a new inventory site (inventory site rename). The entire inventory site can be moved to a new CMC, buts name must remain the same.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. New user screens to handle the renaming of wire centers, the movement of inventory sites and wire centers between CMCs, and the changing of resource ids. Capability of new screens, create a new reorg, update or delete an existing reorg, approve a reorg, unapprove a reorg, and the ability to search for an existing reorg.

2. Crystal Report to printout the requested reorg information (possibility exist of handling more than one reorg request at a time).

3. Reports to list all jobs involved in the reorg. These reports could be run before the reorg and again after the reorg to ensure that all data was moved properly.

4. Batch runs that will move/update the data in the data bases.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

Types of reorgs/changes:
1. CMC consolidation
2. Wire Centers and inventory sites split between two or more CMCs (CMC split)
3. Resource ID changed in associated with wire center move
4. Wire Center Name Change

If the reorg involves adding a new CMC or deleting an existing CMC, the following must be done prior to running the reorg:
1. update the routing rules in the navigator cat tables
2. add the new CMC to the location tables, if applicable (this must be done prior to requesting the reorg)

The following OSPCM executables will probably be affected by the reorg:

Billing & Reporting, Complaints, Employee Editor, Inspections, Job Entry EWO, Job Entry Other, Location Editor, OPF Editor, Pricing, Scheduling, Bid & Award, Work Station, and Materials Management.

Wire Center Name Change (reorg Type #4):

Wire Center name changes are performed when the state has a NPA split.

The process should do the following:

1. End date the old wire center.
2. Create a new wire center based on the associated data from the old wire center (the new wire center name is equal to the new NPA + last three characters of the old wire center name)
3. Update all occurrences of the old wire center name in various OSPCM tables with the new wire center name by replacing the first three characters of the old wire center name with the new NPA.

- Types of tables affected (These are "groups" of tables not the names of the tables. This may not be an inclusive list-any containing a wire center name may need to be reorged. The actual tables to be reorged will be determined during detail design.):

    - Location tables (including the LMOS wire centers associated to the wire centers being renamed)

    - Contract tables (including Exhibit C section of any contracts and the inspection pool associated to the wire centers being renamed)

    - Job tables (update all jobs, regardless of status)

    - Configuration tables

Example of a wire center name change: all wire centers in KNVL Tennessee currently have a NPA of 615XXX, after the NPA split, all wire centers in KNVL, Tennessee have a NPA of 423XXX. The process would need to end date the old 615XXX wire centers and build new wire centers with the 423XXX NPA. The batch process would need to update all occurrences of the old wire center name with the new wire center name.

CMC Consolidation, Wire Centers/Inventory Site Splits and Resource ID changes (Reorg Types #1, #2 & #3):

The process should do the following when inventory sites and/or wire centers are moved:

1. Update all occurrences of the old CMC with the new CMC in various OSPCM tables.

- Types of tables affected (These are "groups" of tables not the names of the tables. This may not be an inclusive list-any containing a CMC may need to be reorged. The actual tables to be reorged will be determined during detail design.):

  - location tables
  - job tables (update all jobs, regardless of status)
  - configuration tables
  - pricing tables
  - contract tables (including inspection tables and complaints)
  - scheduling tables

2. Update resource id's assigned to open substeps involved in the reorg. The user would provide the information for these changes by populating the Resource Id window.

Job Entry - if all wire centers on a job are being moved to the same CMC the process should change the primary CMC to the

new CMC, at the job header level. If the wire centers on a job are being split between two or more CMCs-the primary CMC should be changed to the CMC of the primary wire center shown on the job header.

Pricing - The CMC is used when printing reports. The CMC should be updated in pricing identical to the change made in job entry.

Configuration – Three configuration tables need to be updated when the reorg is done, the tables are:

- RG_WCA – change only the resource id assigned to the wire center area
- RG_WORK_TYPE – copy all wire centers over and fill in any not yet existing.
- RG_WORK_TYPE_WCA – change on the resource id assigned to the wire center area.

Employee – the filed user will need to build all new employee data before the resource id screen can be populated. When updating employee data with the new CMC and/or resource id the user must use the same effective date as the reorg. The changes made in the employee editor will build future employee records. After all new resource id are built the reorg resource id screen may be populated by the user.

It is important to note that the resource id's will only be update on open substeps. Closed, completed substeps will not be updated with the new resource id.

Workstation – all jobs should be moved to the new CMC, using the same procedures as indicated for job entry.

Inspections – CMC information is stored on the inspection tables, when the reorg process is run it will be necessary to update the with the new CMC. If wire centers are being split between multiple CMC, the process will need to read the wire center to determine which CMC to use. It may be necessary for the contract co-ordinator to re-build inspection pools after the reorg is executed.

Location Editor – Move inventory site and wire centers to the new CMC, and end date the old CMC if all associated wire centers and inventory sites are moved. If all inventory sites and wire centers are not being moved, the CMC should stay active.

Billing and Reporting – All jobs (open, closed, completed, etc.) should be moved. This included all job types: BSW, EWO and RW.

Job Entry Other – All jobs (open, closed, completed, etc.) should be moved. This included all job types: BSW, EWO and RW.

Scheduling – Scheduling reads the job entry tables, so when they are updated by the reorg process and when the schedule is run it should pick up the correct data.

The following processes should be run after the reorg is complete:
1. If the user adds a new scheduling area (manual effort), a process named CrStndCTypes should be executed. This

process updates the CMC drop-down list in the Job Entry Commitment grid on the substep screen.

2. The schedule should be run for all CMC's involved in the reorg.

Materials Management – If an inventory site is being moved to a new or existing CMC, the inventory site name is not being changed, the process needs to change the CMC name associated with the inventory site. The inventory (serialized and non-serialized), orders, transfer requests, shipments, and material inventory transactions would stay with the inventory site.

If the user wants to move inventory at one site to another inventory site or multiple inventory sites the user will need to manually move the inventory (serialized and non-serialized) using the transfer process and end-date the old inventory site, if applicable.

The main thing to remember in this execuis to change the association of the inventory site to the new CMC, if the inventory site is being moved in the reorg. All inventory (serialized and non-serialized) will stay with the inventory site but the inventory site will be associated with the new CMC.

The possibility exists for the reorg to only move wire centers, if no inventory sites are being moved the reorg will not effect this executable.

Example: Inventory Site IV1 is being moved from CMC1 to CMC2, the process would need to change the association of INV1 from CMC1 to CMC2.

The following functionality is needed in the presentation:

1. Allow the user to search for reorg requests by State and (Reorg Number, CMC and/or Effective Date)

2. Allow the user to provide the new NPA, if applicable.

3. Allow the user to select/deselect a wire center to rename/move, if applicable.

4. Allow the user to select/deselect an inventory site to move, if applicable.

5. Allow the user to provide the CMC to which the wire center/inventory site should be moved, if applicable.

6. Allow the user to provide the new resource ids that should be assigned to the jobs in the wire center being moved, if applicable.

7. Allow the user to provide an effective date for the Reorg

    • The effective date is defined as the date the Reorg batch process should run.

Security:

1. Only user types of 247, 231, or 232 can create, update, or delete a reorg request prior to approval

    • A 247 user can only update or delete those reorg requests that he/she originated

    • A 231 or 232 user can update or delete any reorg request.

2. Only user types of 231 or 232 can approve or unapprove a reorg request

    • A 231 or 232 user can approve or unapprove any reorg request.

3. Any user that has access to the Reorg Application can view reorg requests

4. If user has security for all states, the state drop down lists all

nine states; otherwise, just the states for which he/she has security should be listed. Therefore, if a user only has security for FL, he can only request reorgs or view reorg requests for FL.

Edits:

1. When the reorg is approved, it is locked, the system will allow a user to view the data associated with the reorg, but no changes can be made.

2. Updates/Cancellations cannot be made to the request once it has been approved. A Core Staff user or the OSPCM Administrator must first unapprove the reorg. After the reorg is unapproved the updates/cancellation may be made by the user.

3. The reorg will not run unless it has been approved.

4. Resource Ids and CMCs must exist, have a start date equal to the effective date of the reorg, and must not be end-dated. The effective date of the reorg is the date the reorg will process.

5. Effective Date must be a future date and must be a Saturday (future employee records need to be created for a Saturday so that they may continue to work in the old CMC on Friday)

6. Verify that there is not already an overlapping reorg request in existence.

   - Perform verification at the time reorg details are saved
   - Verification should be done on only the requests that have not been processed (doesn't matter if it has been approved or not)
   - Overlapping Reorg requests are determined as follows:
     - If there is more than one request to rename the same wire center (e.g., request to rename wc1 to wc2 and

another request to rename wc1 to wc3)

- If there is more than one request to move the same wire center (e.g., request to move wc1 to CMC1 and another request to move wc1 to CMC2)

- If there is more than one request to move the same inventory site (e.g., request to move is 1 to CMC1 and another request to move is 1 to CMC2)

- Display an error message if there is an overlapping reorg request.

Performance Requirements:

(list any performance requirements associated with this change)

All updates must be made over the week-end. Reorg could begin on Saturday morning completing on Sunday so the users could verify that all data was updated correctly. System must be available on Monday morning, normal working hours.

Dependencies:

(list any defects or features that this enhancement is dependent on)

None.

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

Keep wire center names current and accurate. Keep the system in line with realignment of districts, managers, etc.

Affected Components:		(check) Yes	(check) No
RTOC Instructions	X		
HELP		X	
User Guides		X	
Testing		X	
Infra-structure		X	
Management Reports			X
Database	X		

Interfaces:

(list any legacy or new interface systems impacted by this change)	Majority of systems that interface with OSPCM would need to know about the changes we were making. In today's environment this is done by letters to MTR, STAR, Financial Processing, BCAS, Asset Management etc. Any change moving or renaming wire centers in OSPCM would need to be coordinated with OPEDS. For a Wire Center name change OSPCM would need to coordinate the change with LMOS.

Work-Around:	(check) Yes	(check) No
(is there a temporary work around??) (describe work around in detail)	X	

Risks:

(list factors that impact, positive/negative, not doing this change)

Don't rename the wire centers when area code splits are done, don't move wire centers and inventory sites when CMCs are combined or split. Management would be difficult since it would be almost impossible to pull data on the location you are responsible for. The user would also be required to manually update the resource id assigned to work a substep when changes are made.

Business Rules:

(list any business rules or constraints that should apply)

1. If adding a new CMC, it must be built using the Location Editor prior to the Reorg being requested.

2. Resource Ids and future dated employee records must be created prior to the Reorg being requested (this includes both craft and supervisors).

3. All jobs (open, closed, cancel, etc.) should be updated with the new (TO) CMC if a CMC consolidation or split is executed.

4. All jobs (open, closed, cancel, etc.) should be updated with the new wire center name if a wire center name change is executed.

5. Resource Ids should be changed on all "open" substeps on all "open" jobs if a CMC consolidation or split is executed. Do not update resource ids on completed and closed jobs/substeps.

6. A Reorg cannot be done below a wire center level.

7. When moving a wire center to a new CMC, the user must assign new resource ids.

8. A CMC consolidation is defined as combining the wire centers of one or more CMCs into one CMC.

9. A CMC consolidation MUST involve a wire center and inventory site move.

10. The old CMC must be end-dated in a CMC consolidation; therefore a CMC consolidation involves moving all of the wire centers and all of the inventory sites from the old CMC(s) to the new CMC.

11. A CMC split is defined as moving some or all of the wire centers and/or inventory sites of one CMC to one or more difference CMCs.

12. A CMC split does not require inventory sites to be moved.

13. The old CMC may be kept in a CMC split.

14. Management Reports will not be involved in the reorg process (reports should be requested through the Reorg Application).

15. The reorg should not generate duplicate job numbers.

16. System should be backup before the reorg is run.

17. Regional Contract, BSW LookUp and the Holiday Editor do not need to be updated with the reorg process.

Documentation Changes:

(list affected documents requiring change)

No documentation exists for this process. Would need to develop M&P, test scenarios and functional decomps.

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance)

1. Rename several wire centers.

2. Change resource id assigned to do work on jobs.

3. Move all of the wire centers and all of the inventory sites from two or more CMCs to a new or existing CMC (delete old CMCs)

4. Move all of the wire centers and all of the inventory sites from one CMC to a new or existing CMC (delete old CMC).

5. Move some of the wire centers from one CMC to a new or existing CMC (keep old CMC)

6. Move some of the wire centers and some of the inventory sites from one CMC to a new or existing CMC (keep old CMC).

7. Move some of the wire centers from one CMC to 2 or more new or existing CMCs (keep old CMC).

8. Move some of the wire centers and some of the inventory sites from one CMC to 2 or more new or existing CMCs (keep old CMC)

9. Move all of the wire centers and all of the inventory sites from one CMC to 2 or more new or existing CMCs (delete old CMC).

10. Move some of the inventory sites from one CMC to a new or existing CMC (keep old CMC).

11. Move some of the inventory sites from one CMC to 2 or more new or existing CMCs (keep old CMC).

DETAILED TEST SCENARIOS WILL BE FURNISHED AT A LATER DATE.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

- Screen layouts (wire center name change, wire center and inventory site moves, and resource id changes) Several of the editors required on each screen is also on the screen layouts.
- Manual Reorg Efforts
- Open/Closed Issues

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6622_FS

BAE Start Date:	06/24/97	**BAE Name:**	Terry L. Small
BAE Comp. Date:	06/24/97	**BAE Tele. No.:**	205-977-3613
BAE Hours:	2	**LA Assigned:**	

CMVC Component Name: Interfaces_extracts_mtr

Associated Defect/Feature No.:   6622

Target Release: **Target Release Date:**

(give target release this   2.01   (give target release   ASAP
needs to be in)   date for this
                                                              enhancement)

Priority:

(provide priority from   Production_hi
'feature priority' list –
production_hi through
deferred_low)

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   1. Reduce MTR error list before processing errors in OSPCM

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently MTR send all errors in the company to OSPCM. When OSPCM processes all of the errors trying to determine whether the errors belong to OSPCM or not, it causes lock out problems for the users whenever this process is run.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. Add code to perform the edits of whether the MTR error should be displayed in OSPCM prior to actually doing the process that is causing our lock outs to the user. This process should also reduce the errors displayed to only include construction time reporting craft and I&M reporting errors that were sent to MTR through OSPCM only.

Change(s):

(detailed description of change)-[add additional rows if multiple changes)

Determine if error is a reporting error that belongs to OSPCM and display only the errors that belong to OSPCM. Make sure processing is done so as not to create locking problem for the users community. It will probably be best to perform these edits by social security number against the 'CRAFT' employee in OSPCM. It may be a requirement to also check against the daily work report record for the date under report for those that have a labor type of I&M in the craft employee table.

If there is an error from MTR that belongs to an OSPCM craft employee that has a 'labor type' equal to I&M we need to display this error. If the error from MTR is for a labor type I&M and there is no work report for that date under report in OSPCM, do not display the error.

Display all errors for 'labor types' not equal to CLERICAL and I&M except for case identified in 2 above.

Performance Requirements:

(list any performance requirements associated with this change)

1. Must eliminate locking problems with this process. This process should take as little time as required so as not to interfere with anything else being processed at the same time. It should be done as early as possible, preferably before 7:00 am eastern time.

Dependencies:

(list any defects or features that this enhancement is dependant on)

1. None

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1. Eliminate locking problems.
2. Reduce errors from MTR to a point that we only display errors that will apply to OSPCM.

Affected Components:	(check) Yes	(check) No
RTOC Instructions		
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		
Management Reports		
Database		

Interfaces:

(list any legacy or new interface systems impacted by this change)

1. MTR interface for error processing.

Work-around:	**(check)**	**(check)**
	Yes	**No**
(is there a temporary work around??)		X
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

1. If not implemented, the user will lose access with OSPCM during these lock out problems.
2. System will not be deployed.

Business Rules:

(list any business rules or constraints that should apply)

1. OSPCM will not edit that I&M actually reported time for the day. It will only process errors for time actually reported through OSPCM for I&M employees.
2. Construction employees will get errors on reports sent to MTR and for not reporting to MTR.

Documentation Changes:

(list affected documents requiring change)

1. Workstation

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. Enter time reporting for labor type of I&M.

   1.1   Create one report with errors and one report without errors.

   1.2   Process through MTR

   1.3   Should get error for only one that was reported with errors.

   1.4   Also verify that employees with labor type of I&M that do not report time for the day through MTR do not get errors back into OSPCM.

2. Enter time reporting for regular time reporting construction craft person.

   2.1   Create one report with errors, one report without errors and a craft person with no report.

   2.2   Process through MTR

   2.3   Should get error on report with errors, error on person that did not report, and no error on report with no errors.

3. Verify OSPCM does not display any errors that were not time reported through OSPCM.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

1. None

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6427_FS

BAE Start Date:	05/20/1997	**BAE Name:**	Mark Seal
BAE Comp. Date:	05/30/1997	**BAE Tele. No.:**	205-977-3618
BAE Hours:	3	**LA Assigned:**	

CMVC Component Name: CHANGE_MGMT

Associated Defect/Feature No.:   6427

Target Release: **Target Release Date:**

(give target release this   2.1   (give target release

needs to be in)   date for this

enhancement)

Priority:

(provide priority from   PROD

'feature priority' list –   HI

production_hi through

deferred_low)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1. CHANGE DEFAULT INVENTORY SITE

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. DURING CONFIGURATION A RES ID IS ASSIGNED TO EACH ACTIVITY ON A JOB. ALSO DURING CONFIGURATION A DEFAULT INVENTORY SITE IS ASSIGNED BASED ON THE RES ID ASSIGNED. IF THERE ARE MULTIPLE RES ID'S IN THE CONFIGURATION THE SYSTEM WILL ASSIGN ONE AT RANDOM. THE USER CAN, AFTER CONFIGURATION, CHANGE THE RES ID. THE PROBLEM IS THAT THE DEFAULT INVENTORY SITE DOES NOT CHANGE.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. WHEN THE USER CHANGES THE CONFIGURATION ASSINGED RES ID AND THE MATERIAL IS NOT ALREADY ON ORDER THEN CHANGE THE DEFAULT INVENTORY SITE.

Change:

(detailed description of change)-[add additional rows if multiple changes]

1. CHANGES SHOULD APPLY TO THE ACTIVITY MTCE SCREEN IN PRESURVEY AND IN SCHEDULING.
2. CHANGE THE SYSTEM SO THAT WHEN A USER CHANGES THE RES ID ASSIGNED TO AN ACTIVITY, AND THE MATERIAL HAS NOT BEEN ORDERED FOR THE ACTIVITY, THEN THE DEFAULT INVENTORY SITE SHOULD ALSO BE CHANGED TO THE DEFAULT INVENTORY SITE OF THE NEW RES ID.
3. IF NO DEFAULT INVENTORY SITE EXISTS FOR THE

ASSINGED RES ID FROM CONFIGURATION AND THE USER CHANGES THE RES ID, AND THE MATERIAL HAS NOT BEEN ORDERED THEN THE SYSTEM SHOULD TRY TO ASSIGN THE DEFAULT INVENTORY SITE FOR THE NEW RES ID.

4. IF WHEN TRYING TO CHANGE THE DEFAULT INVENTORY SITE FOR A NEWLY ASSINGED RES ID AND THAT NEW RES ID DOES NOT HAVE A DEFAULT INVENTORY ASSIGNED THEN DON'T CHANGE THE INVENTORY SITE.

5. FOR THOSE SUBSTEPS THAT HAVE MATERIAL THAT HAS BEEN ORDERED DO NOT CHANGE THE INVENTORY SITE.

Performance Requirements:

(list any performance requirements associated with this change)

1. NONE

Dependencies:

(list any defects or features that this enhancement is dependent on)

1. NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1. THIS WILL SAVE THE USER TIME IN ASSIGNING AN ALT INV SITE IN THE MATERIAL MODULE. MOSTLY, THE FIELD USERS WILL FORGET AND MATERIAL WILL NOT GET ORDERED ON TIME OR TO THE CORRECT INVENTORY SITE.

Affected Components:	(check) Yes	(check) No
RTOC Instructions	X	
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		
Management Reports		
Database		

Interfaces:

(list any legacy or new interface systems impacted by this change)

1. N/A

Work-Around:	(check) Yes	(check) No
(is there a temporary work around??)	X	

(describe work around in detail)

1. THE WORK AROUND IS FOR THE USER TO ASSIGN AN ALT INVENTORY SITE. IF THE USER FORGETS TO DO THIS THEN THE

MATERIAL WON'T GET
ORDERED ON TIME.

Risks:

(list factors that impact, positive/negative, not doing this change)

1. THE USER WILL HAVE TO ASSIGN AN ALT INVENTORY SITE. IF THE USER FORGETS TO DO THIS THEN THE MATERIAL WON'T GET ORDERED ON TIME AND/OR TO THE CORRECT INVENTORY SITE.

Business Rules:

(list any business rules or constraints that should apply)

1. THESE CHANGES SHOULD APPLY TO THE ACTIVITY MTCE SCREEN IN PRESURVEY AND IN SCHEDULING.

Documentation Changes:

(list affected documents requiring change)

1. USER GIDES AND HELP SCREENS

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. ENTER AND CONFIGURE A JOB SO THAT THE CONFIGURATION PROCESS ASSIGNS A RES ID (A) AND A DEFAULT INV SITE (A) TO AN ACTIVITY. IN PRESURVEY ON THE ACTIVITY MTCE SCREEN CHANGE THE RES ID (A) FOR THE ACTIVITY TO A NEW RES ID (B) AND VERIFY THAT THE DEFAULT INV. SITE IS CHANGED TO (B)

2. ENTER AND CONFIGURE A JOB SO THAT THE CONFIGURATION PROCESS ASSIGNS A RES ID (A) AND A DEFAULT INV SITE (A) TO AN ACTIVITY. CHANGE THE RES ID (A) TO A NEW ONE (B) THAT

DOES NOT HAVE A DEFAULT INV. SITE ASSIGNED.
EXPECTED RESULT...IS THAT THE RES ID (A) GETS
CHANGED TO RES ID (B) AND THE DEFAULT INV
SITE (A) DOES NOT.

3. ENTER AND CONFIGURE A JOB SO THAT THE
CONFIGURATION PROCESS ASSIGNS A RES ID (A)
AND THERE IS NO DEFAULT INV SITE ASSIGNED TO
AN ACTIVITY. CHANGE THE RES ID (A) TO A NEW
RES ID (B) THAT HAS A DEFAULT INV SITE (B).
EXPECTED RESULTS...THE RES ID AND THE
DEFAULT INV. SITE GET CHANGED TO (B).

4. THESE TESTS SHOULD BE PERFORMED ON THE
ACTIVITY MTCE SCREEN IN PRESURVEY AND IN
SCHEDULING.

Attachments:
(copies of screens, reports,   1. NONE
etc. before and after
proposed change)

Signatures of Agreement:
(add additional rows if
necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6436_FS

BAE Start Date:	05/21/1997	**BAE Name:**	Mark Seal
BAE Comp. Date:	05/30/1997	**BAE Tele. No.:**	205-977-3618
BAE Hours:	6	**LA Assigned:**	

CMVC Component Name: CHANGE_MGMT

Associated Defect/Feature No.: 6436

Target Release:

(give target release this   2.1
needs to be in)

Target Release Date:

(give target release
date for this
enhancement)

Priority:

(provide priority from   PROD-
'feature priority' list –   HI
production_hi through
deferred_low)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   ADD EDITS TO THE PRESURVEY SCREEN WHEN
ADDING ROADBLOCKS FOR FACTORY ADD ON
ITEMS ASSOCIATED WITH AN ASSEMBLY

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. CURRENTLY THE SYSTEM WILL ALLOW A ROADBLOCK TO BE PLACED ON A SUBSTEP THAT HAS A FACTORY ADD-ON MATERIAL ITEM. BECAUSE THE SYSTEM WILL AUTO COMPLETE THE FACTORY ADD-ON SUBSTEPS, NO OTHER COMPLETION PROCESSING WILL OCCUR. THIS MEANS THAT IF A ROADBLOCK EXISTED IT WOULD NOT BE AUTOMATICALLY CLEARED WHEN THE FACTORY ADD0ON SUBSTEP IS AUTO COMPLETED.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. DON'T ALLOW A ROADBLOCK TO BE ENTERED FROM THE PRESURVEY SCREEN ON A SUBSTEP THAT HAS FACTORY ADD-ON MATERIAL ASSIGNED

Change(s):

(detailed description of change)-[add additional rows if multiple changes])

1. ADD AN EDIT ON THE PRESURVEY SCREEN. WHEN THE USER ATTEMPTS TO ENTER A ROADBLOCK THE SYSTEM SHOULD CHECK THE MATERIAL ASSIGNED TO THE SUBSTEP. IF THE MATERIAL HAS AN ASSEMBLY INDICATOR SET TO "Y" IN THE OSPCM MATERIAL ITEM THEN DO NOT ALLOW THE ROADBLOCK TO BE ENTERED. RETURN A MESSAGE "ROADBLOCK NOT ALLOWED ON A SUBSTEP WITH FACTORY ADD-ON MATERIAL. ENTER THE ROADBLOCK ON THE ASSOCIATED CABINET".

Performance Requirements:

(list any performance requirements associated with this change)

1. NONE

Dependencies:

(list any defects or features that this enhancement is dependant on)

1. NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1. WITHOUT THIS EDIT WE HAVE NO WAY TO ENSURE THAT ROADBLOCKS WILL BE CLEARED ON ALL CLOSED JOBS. THAT MEANS THAT THE ROADBLOCK REPORT COULD HAVE ROADBLOCKS FOR CLOSED JOBS. IF THIS HAPPENS THERE IS CURRENTLY NO WAY TO REMOVE THESE ROADBLOCKS.

Affected Components:	(check) Yes	(check) No
RTOC Instructions	X	
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		
Management Reports		
Database		

Interfaces:

(list any legacy or new
interface systems impacted by
this change)

1. NONE

Work-around:	**(check)**	**(check)**
	Yes	**No**
(is there a temporary work around??) (describe work around in detail)		X

Risks:

(list factors that impact,
positive/negative, not doing
this change)

1. IF THIS CHANGE IS NOT MADE ROADBLOCKS COULD APPEAR ON THE ROADBLOCK REPORT AND IN THE SYSTEM THAT CANNOT BE REMOVED.

Business Rules:

(list any business rules or
constraints that should apply)

1. ROADBLOCKS ASSOICATED WITH AN ASSEMBLY SHOULD BE ON THE SUBSTEP WITH THE CABINET ASSIGNED.

Document Changes:

(list affected documents requiring change)   1. USER GUIDES, HELP, M&P

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. ENTER A JOB WITH SEVERAL SUBSTEPS THAT MAKE UP AN ASSEMBLY. GO TO THE PRESURVEY SCREEN AND TRY TO ENTER A ROADBLOCK ON A SUBSTEP THAT HAS FACTORY ADD-ON MATERIAL ASSIGNED. THE ERROR "ROADBLOCK NOT ALLOWED ON A SUBSTEP WITH FACTORY ADD-ON MATERIAL. ENTER THE ROADBLOCK ON THE ASSOCIATED CABINET" SHOULD DISPLAY.
2. TRY TO ENTER THE ROADBLOCK ON THE SUBSTEP THAT HAS THE CABINET ASSIGNED. THIS SHOULD BE ALLOWED.

Attachments:

(copies of screens, reports, etc. before and after proposed change)   1. NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6501

BAE Start Date:	June 5, 1997	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	June 6, 1997	**BAE Tele. No.:**	205-977-3611
BAE Hours:	6 Hours	**LA Assigned:**	

CMVC Component Name: MATMGMT

Associated Defect/Feature No.:   6501

Target Release:

(give target release this   2.1   **Target Release Date:**

(give target release   9/1997

needs to be in)   date for this

enhancement)

Priority:

(provide priority from   Production_hi

'feature priority' list –

production_hi through

deferred_low)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   Enhance the system to allow the user to save the 8010, 6241 and 1010 forms to a file, for printing at a later date.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Today whenever non-COE equipment is transferred between inventory sites the system automatically generates a RF-6241-M1 form.

2. When COE equipment is:
   *transferred between inventory sites
   *assigned to a job from existing inventory
   *unassigned from a job

3. When material (COE and non-COE) is returned to a BST/GTES warehouse or an outside vendor the system automatically generates a RF-1010-A1.

4. Enhance the system to allow these forms to be saved to a file so they can be printed at a later date.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. The system should give the user the option of
   * printing the form
   * save the form to a file
   * print the form and save it to a file

Change(s):

(detailed description of change)-[add additional rows if multiple changes]

1. Enhance the system to display a window, before automatically generating any of the forms (8010, 6241 & 1010) giving the user a selection of:
   * print the form only
   * save the form to a file
   * print the form and save the form to a file

2. This will allow the user to print the form if they are ready to ship the cable. They can send the form to a file that can be

printed later or they can keep for the office record copy. By allowing the user to create the file they have no need to keep a paper copy of the form.

Performance Requirements:

(list any performance requirements associated with this change)

1. There should be no noticeable affect on performance.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1. NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1. Allow the user to save the forms to be printed later or they could save the file for their records. Eliminate the need for a paper copy.
2. Also if multiple copies are needed they can print as many as they need, for remote locations this may be easier than making copies.

Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

Interfaces:

(list any legacy or new interface systems impacted by this change)

1. NONE

Work-around:

	(check) Yes	(check) No
(is there a temporary work around??)	X	

(describe work around in detail)

1. The user would need to make a copy for future use.

Risks:

(list factors that impact, positive/negative, not doing this change)

1. If the form is printed when the transaction is done and the material is not shipped the paper work could get lost.
2. 8010 may not be handled correctly and DCPR would not get the data they need to keep their records accurate.

Business Rules:

(list any business rules or constraints that should apply)

1. Give the user a choice whenever the form is generated by the system.

Documentation Changes:

(list affected documents requiring change)

1. User Guide updated with the new window and process
2. Test Scenarios and Functional Decomps

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. Generate the following transactions and print a 8010, save the 8010, and print and save the 8010:
   - assign COE equipment to a job from existing inventory
   - unassign COE equipment from a job
   - transfer COE equipment between inventory sites

2. Generate the following transactions and print a 6241, save the 6241, and print and save the 6241:
   - transfer non COE equipment between inventory sites.

3. Generate the following transaction and print a 1010, save the 1010, and print and save the 1010:
   - Return material to a warehouse (COE and non-COE material)
   - Return material to an outside vendor (COE and non-COE material)

4. Verify all forms are handled properly
5. A more detailed test case will be provided when it is determined how the feature will be programmed.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

1. NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6575

BAE Start Date:	June 14, 1997	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	June 16, 1997	**BAE Tele. No.:**	205-977-3611
BAE Hours:	2 Hours	**LA Assigned:**	

CMVC Component Name: MATMGMT

Associated Defect/Feature No.:   6575

Target Release: **Target Release Date:**

(give target release this   2.1   (give target release
needs to be in)   date for this
                                                              enhancement)

Priority:

(provide priority from   Production_low
'feature priority' list –
production_hi through
deferred_low)

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   1. Enhance the inventory scan to allow the user to sort the scan
by Serial Number, when requesting a scan for serialized
inventory.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Today the user can sort an inventory scan by 15 different attributes, but Serial Number is not one of the sort options. The scan will display/print all assigned material first. Enhance the system to allow the user to sort an inventory scan by serial number.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. Add the attribute of Serial Number to the "SorFields" grid on the "Sort Inventory" window.

Change(s):

(detailed description of change)-[add additional rows if multiple changes]

1. Allow the user to sort inventory scans by serial number when requesting a scan for serialized material. (ascending order)
2. Allow the user to select Serial Number as a sort option.
3. If Serial Number is selected display/print in ascending order.

Performance Requirements:

(list any performance requirements associated with this change)

1. There should be no noticeable affect on performance.

Dependencies:

(list any defects or features   1. NONE

that this enhancement is

dependent on)

Benefits:

(provide benefits in dollars,   1. Make it easier for the user to determine the on hand quantity

reduced headcount, time   of cable on a reel. Today the system will print/display all

savings, etc. for doing this   assigned material first, therefore, the user needs to scan the

work)   full report to determine the total amount of cable on a reel.

                               2. Easier to compare what is in the system to what is on the

                                 yard.

Affected Components:	(check) Yes	(check) No
RTOC Instructions	X	
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports		X
Database		X

Interfaces:

(list any legacy or new   1. NONE

interface systems impacted

by this change)

Work-around:	**(check)**		**(check)**
	Yes		**No**
(is there a temporary work around??)			X
(describe work around in detail)			

Risks:

(list factors that impact, positive/negative, not doing this change)	1. Inventory adjustments may be made that are not necessary. 2. Not user friendly when doing a physical inventory.

Business Rules:

(list any business rules or constraints that should apply)	1. If the user requests an inventory scan sorted by serial number, the scan should be sorted in ascending order using the serial number.

Documentation Changes:

(list affected documents requiring change)	1. Materials Management User Guide 2. Functional Decomps 3. Test Scenarios

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. Display the "Inventory Scan Search Criteria" window
2. Select the "Sort By" button
3. Verify that "Serial Number" appears in the "SorField" grid on the "Sort Inventory" window
4. Select Serial Number and verify that it moves over to the "Sort Order" grid
5. Arrange the sort order options so that Serial Number is the first option
6. Select OK
7. Run the Inventory scan – verify that it sorted in Serial Number order.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 6426_FS

</div>

BAE Start Date:	05/31/1997	**BAE Name:**	Mark Seal
BAE Comp. Date:	06/01/1997	**BAE Tele. No.:**	205-977-3618
BAE Hours:	4	**LA Assigned:**	

CMVC Component Name: CHANGE_MGMT

Associated Defect/Feature No.:   6426

Target Release: **Target Release Date:**

(give target release this   2.01   (give target release

needs to be in)   date for this

enhancement)

Priority:

(provide priority from   PROD

'feature priority' list –   HI

production_hi through

deferred_low)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1. SERVER PROCESS TO PROVIDE NOTIFICATIONS

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. CURRENTLY THERE IS NO NOTIFICATION TO THE SUPERVISOR AS TO WHEN AND WHO REPORTS AN EXCEPTION CODE OR WHEN ADDED STEPS ARE REPORTED.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. THE SOLUTION IS TO WRITE A SERVER PROCESS TO RUN EACH NIGHT AND READ THE DATA BASE. COLLECT ANY ADDED STEP AND/OR EXCEPTION INFORMATION BY RES ID. USING THE RES ID GET THE SUPERVISOR'S EMAIL ADDRESS AND SEND THE DATA TO THAT ADDRESS.

Change(s):

(detailed description of change)-[add additional rows if multiple changes]

CREATE A SERVER PROCESS THAT WILL RUN IN A BATCH MODE EACH NIGHT. THIS PROCESS WILL LOOK AT EACH WORK REPORT THAT WAS CREATED OR CHANGED FOR EACH DAY. THE PROCESSED *IND* SHOULD BE SET TO "BA". THIS PROCESS SHOULD CHECK EACH WORK REPORT WITH A PROCESSED_IND SET TO "BA" TO SEE IF ANY ADDED STEPS HAVE BEEN REPORTED. IF SO THEN CAPTURE THE INFORMATION AS FOLLOWS. EMPLOYEE NAME, RES ID, DATE UNDER REPORT, ADDED STEP NUMBER AND REQUIRED REMARKS.

THIS SERVER PROCESS WILL LOOK AT EACH NON-SS TIME REPORT THAT HAS A DATE AND TIME

STAMP FOR THE DAY BEING PROCESSED. IF A NON SS TIME REPORT DOES EXIST FOR THE PROCESSED DAY THEN CAPTURE THE INFORMATION AS FOLLOWS: EMPLOYEE NAME, RES ID, DATE UNDER REPORT, EXCEPTION CODE, START TIME, END TIME.

USING THE EMPLOYEE'S RES ID, GO TO THE SUPER_RG FOR THE RES ID AND GET THE SUPERVISOR'S CUID AND THEN GO TO THE EMPLOYEE AND GET THE SUPERVISOR'S EMAIL ADDRESS. ONCE THE EMAIL ADDRESS IS OBTAINED THEN SEND ALL OF THE CAPTURED DATA TO THE ADDRESS IN ONE E-MAIL MESSAGE. IF NO E-MAIL ADDRESS EXISTS THEN DON'T SEND THE INFORMATION TO ANY ONE.

Performance Requirements:

(list any performance requirements associated with this change)

1. THIS WILL BE DONE IN A BATCH MODE AND SHOULD NOT AFFECT PERFORMANCE.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1. NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

THIS PROCESS WILL REPLACE THE CONTROLS THAT A SUPERVISOR MUST SIGN A WORK REPORT FOR EACH EMPLOYEE FOR EACH WORK DAY.

BY NOTIFYING THE SUPERVISOR OF ANY EXCEPTIONS

AND ADDED STEPS, APPROPRIATE ACTION CAN BE
TAKEN IF NEEDED. THIS ALONG WITH THE
CURRENT MTR REPORTS ARE CONSIDERED TO BE
ACCEPCONTROLS.

Affected Components:	(check) Yes	(check) No
RTOC Instructions	X	
HELP		X
User Guides		X
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

Interfaces:

(list any legacy or new interface systems impacted by this change)

1. NONE.

Work-around:	(check) Yes	(check) No
(is there a temporary work around??)	X	

(describe work around in detail)

1. THE ONLY WORK AROUND IS FOR THE SUPERVISOR TO PHYSICALLY LOG IN AND PULL UP EACH EMPLOYEE'S WORK REPORT AND ACCESS THE EXCEPTIONS SCREEN TO CHECK FOR EXCEPTIONS. THEN THE

SUPERVISOR WILL ACCESS THE
WORK REPORT SCREEN AND
CHECK FOR ANY ADDED STEPS.
THIS WILL BE A VERY TIME
CONSUMING PROCESS.

Risks:

(list factors that impact, positive/negative, not doing this change)

1. WITHOUT PROPER CONTROLS A PAPER WORK REPORT MAY BE NECESSARY TO OBTAIN A SUPERVISOR'S SIGNATURE FOR APPROVAL.

Business Rules:

(list any business rules or constraints that should apply)

Document Changes:

(list affected documents requiring change)

1. ADD M&P TO RECOMMEND THAT ALL SUPERVISORS ENTER A VALID E-MAIL ADDRESS ON THE EMPLOYEE RECORDS.

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. CREATE A WORK REPORT WHICH CONTAINS OVERTIME AND SAVE A BALANCE THE REPORT. RUN THE SERVER PROCESS. THE EXPECTED RESULT IS THAT THE SUPERVISOR OF THE EMPLOYEE ON THE WORK REPORT WILL RECEIVE AN E-MAIL WITH THE APPROPRIATE

INFORMATION.

2. CREATE A WORK REPORT WHICH CONTAINS AN ADDED STEP, SAVE AND BALANCE THE WORK REPORT. RUN THE SERVER PROCESS. THE EXPECTED RESULT IS THAT THE SUPERVISOR OF THE EMPLOYEE ON THE WORK REPORT WILL RECEIVE AN E-MAIL WITH THE APPROPRIATE INFORMATION.

3. CREATE A WORK REPORT WHICH CONTAINS NO EXCEPTIONS OR ADDED STEPS AND SAVE AND BALANCE. RUN THE SERVER PROCESS. THE EXPECTED RESULT IS THAT THE SUPERVISOR OF THE EMPLOYEE ON THE WORK REPORT WILL NOT RECEIVE AN E-MAIL.

4. ACCESS THE WORK REPORT IN NUMBER THREE AVOVE AND ADD OVERTIME AND AN ADDED STEP. SAVE AND CLOSE. RUN THE SERVER PROCESS. THE EXPECTED RESULT IS THAT THE SUPERVISOR OF THE EMPLOYEE ON THE WORK REPORT WILL RECEIVE AN E-MAIL WITH THE APPROPRIATE INFORMATION.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

1. NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 6814A

</div>

BAE Start Date:	October 9, 1997	**BAE Name:**	Carol Brechtel
BAE Comp. Date:	October 9, 1997	**BAE Tele. No.:**	205-977-3611
BAE Hours:	2 ½ hours	**LA Assigned:**	

CMVC Component Name:　　　　　　　　MATMGMT

Associated Defect/Feature No.:　　　　NONE

Target Release:

(give target release this
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release
date for this
enhancement, if
required)

Priority:

(provide priority from
'feature priority' list –
number preliminary
assigned by SME)

Top 25 Rating=15

Module Rating=7

Revision No.:　　　　　　　　　(B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's view of the functionality that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of
change/addition) – This
should pretty closely match
the abstract in CMVC.

1.1 Add one additional display field to the Transaction Details window, display the "Total on Hand Quantity" for the material item on the transaction, this is for serialized and non serialized material.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 "Total On Hand Qty" is not displayed on the Transaction Details window – currently the system displays the Transaction Quantity and the Balance Quantity.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Add one field to the Transaction Details window – add "Total on Hand Quantity" to the Transaction Data section of the window. For non-serialized material & serialized material.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Add one field to the Transaction Data Section of the Transaction Details window.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There should be no noticeable affect on performance.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 For two sided transactions the user would be required to add the Balance quantity from both sides of the transaction to determine the total quantity of material on hand.

7.2 The Total on Hand Quantity would be display.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions	X	
HELP (X is in Yes column left)		
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:		(check) Yes	(check) No
(is there a temporary work around?)		X	
(describe work around in detail) [**Also identify this in the OSPCM 'known problem' document**]	10.1 Manually calculate the on hand quantity of the inventory item		

11. Risks:

(list factors that impact, positive/negative, not doing this change)	11.1 The user may believe they have more or less material in inventory then they actually have.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)	12.1 NONE

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**	13.1 User Guide 13.2 Help 13.3 Functional Decomps

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.1 Use the "Show Inventory item" window to find inventory that has an unassigned and assigned balance.

15.2 Either display the last transaction from here or go to Show Transactions

15.3 Display transaction (from the Inventory item on Show Inventory item window)

15.4 Display the details of the transaction

15.5 Verify that they "Total on Hand Quantity" is displayed

15.6 Return to the Show Inventory item window and verify the "Total on Hand quantity" displayed on the transaction was correct.

16. Attachments:

(copies of screens, reports,
etc. before and after proposed
change-only identify if the
customer requires the screen
or something on the screen to
look a certain way)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7055A

BAE Start Date:	09/17/1997	**BAE Name:**	Larry Edgar
BAE Comp. Date:	09/25/1997	**BAE Tele. No.:**	977-7375
BAE Hours:	18	**LA Assigned:**	

CMVC Component Name:　　　　　　　　　Change_mgmt

Associated Defect/Feature No.:

Target Release:

(give target release this

needs to be in) **[Only**

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Target Release Date:

(give target release

date for this

enhancement, if

required)

Priority:

(provide priority from　　　　　　Prod_hi

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:　　　　　　　　　　(B, C, etc. – this will require new signatures)

Reason for Revision:

General:

1. The purpose of this document is to provide the customer's view of the functionality that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Provide a system method to either advise user by display message or to automatically point a production user to the correct server when logging on to a unit that has not been used before for OSPCM.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Users download a new release in production on a unit not used for OSPCM before and do not verify the state server is pointed to. Can cause time outs and delays due to "traffic" routing. A default state of FL is given.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Provide an OSPCM method in or after the download process that will identify the user "correct server" based on location feedback. Then advise the user by display message dialog box to point to correct server if needed.

3.2 Consider an automatic method to do the pointing during the download if not too complex.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Add user location detection method to system

4.2 Add method to determine correct server based on location detection

4.3 Add method to display advisory message "please select state and choose State" on OSPCM Guide (may consider adding to the Production/Training selection).

4.4 Consider if user can be pointed automatically during a download.

5. Performance Requirements:

(list any performance
requirements associated
with this change) **[Identify
system response
requirements that must be
met for user acceptance]**

5.1 No delay foreseen-should enhance user times.

6. Dependencies:

(list any defects or features
that this enhancement is
dependent on or that will be
dependent on this feature)

6.1 None.

7. Benefits:

(provide benefits in dollars,
reduced headcount, time
savings, etc. for doing this
work) **[This is required to
identify any savings that
can be attributed this
feature for securing
budget approval]**

7.1 Will avoid the "traffic" routing congestion and
thus reduce user time outs. User acceptance
enhanced.

8. Affected Components:

	(check)	(check)
	Yes	**No**
RTOC Instructions	X	
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports		X
Database		X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1   NONE

10. Work-around:	(check) Yes	(check) No
(is there a temporary work around?)	X	

(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**

10.1 Users have been and are continued to be advised during deployment that a standard procedure is to always (not just for OSPCM firsts) go to OSPCM Guide to select the State and choose/verify the local state.

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Users complain of time outs as caused by routing traffic which bogs down a server since use is not correctly dispersed.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 Advise users to perform state verify function to avoid potential traffic delays

13. Documentation Changes:

(list affected documents requiring change)

13.1 Chapter to Overview of OSPCM Application, each module – intro chapter and Getting Started user guide

[Documentation should prepare a checklist covering each document that must be updated for this feature]

needs to reflect the added download message and manual state selection procedure emphasis.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 Deployment teams and/or training needs to continue to emphasize the probability of delays and cause.

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED **[Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]**

15.1 Perform a new release download in production and verify that a display message appears to advise user to select state after security logon.

15.2 Go to a second test unit in production and select the state point option, then perform the new release download and determine if no message displayed.

15.3 Use the OSPCM in the file to verify server changes.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE: Larry Edgar

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7166

BAE Start Date:	01/30/1998	**BAE Name:**	Wesley White
BAE Comp. Date:	01/30/1998	**BAE Tele. No.:**	977-7436
BAE Hours:	1	**LA Assigned:**	

CMVC Component Name: MGMT_REPORTS

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   Emergency   (give target release   Emergency

needs to be in) **[Only**   date for this

identify if this is required   enhancement, if

for an emergency release   required)

or must be worked in next

scheduled release]

Priority:

(provide priority from   1

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Create extract file from dic material tracking report to bufit to 90.11.244.172/bto/sys/lec3/ospcm

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Extract files needed for SSI business process server to load data into LEC3 database

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Extract fields from DLC material Tracking report and bufit to ip address nightly. Email verification that process did or did not run to Paul.W.White@bridge.bellsouth.com

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Run DLC Material Tracking Report Nightly and Extract:

4.2 Wire, Center char17

4.3 Design, Engineer char35

4.4 Job, Number char16

4.5 Prt char6

4.6 Step char9

4.7 Work, id char12

4.8 GLC char16

4.9 FRC char14

4.10 Work, action char16

4.11 Stat char6

4.12 Substep, Stat Date char20

4.13 Material, Desc char30

4.14 Order, Quantity char21

4.15 Mtl, Stat char12

4.16 Mtl, Stat date char16

4.17 Capri PO# char15

4.18

4.19 Bufit file to

90.11.244.172/bto/sys/lec3/ospcm

4.20

4.21 file should be called ospcm with an

extension of the date yyyy/mm/dd example:

ospcm.19980130

4.22

4.23 File should contain data for all states

  FL, GA, SC, NC, TN, KY, LA, AL, MS

4.24

4.25 The new DLC Tracking Report edits should

be put into production before this report is run.

4.26

4.27 The report should bufit the files MON-FRI at

10:00 PM EST

4.28

4.29

5. Performance Requirements:

(list any performance   5.1 No deterioration in current response time.

requirements associated

with this change) **[Identify**

system response

requirements that must be

met for user acceptance]

6. Dependencies:

(list any defects or features   6.1 NONE

that this enhancement is

dependent on or that will be

dependent on this feature)

7. Benefits:

(provide benefits in dollars,   7.1 NONE

reduced headcount, time

savings, etc. for doing this

work) **[This is required to**

identify any savings that

can be attributed to this

feature for securing

budget approval]

8. Affected Components:	(check) Yes	(check) No
RTOC Instructions		
HELP		
User Guides		
Testing	X	
Infra-structure		
Management Reports		
Database		

9. Interfaces:

(list any legacy or new   9.1 NONE

interface systems impacted

by this change) **[Make sure**

other interface systems are
aware of and agree with
any requirement change
that impacts them before
proceeding]

10. Work-around:	(check)	(check)
	Yes	No
(is there a temporary work around?)		X
(describe work around in detail) [Also identify this in the OSPCM 'known problem' document]		

11. Risks:

(list factors that impact, positive/negative, not doing this change)

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 NONE

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.1 NONE

16. Attachments:

(copies of screens, reports,   16.1 NONE

etc. before and after proposed

change-only identify if the

customer requires the screen

or something on the screen to

look a certain way)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7349A

BAE Start Date:	11/19/1997	**BAE Name:**	Larry Edgar
BAE Comp. Date:	12/12/1997	**BAE Tele. No.:**	205-977-7375
BAE Hours:	20	**LA Assigned:**	

CMVC Component Name: Change_mgmt

Associated Defect/Feature No.:   N/A

Target Release:

(give target release this

needs to be in) **[Only**

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Target Release Date:

(give target release date for   1/1/1998

this enhancement, if required)

Priority:

(provide priority from

'feature priority' list –

number preliminary

assigned by SME

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's
   view of the <u>functionality</u> that needs to be changed or added to
   the existing OSPCM product. It is not the detail design
   requirements. It should concentrate on the 'what' that is
   needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured
   inspection walk through process (currently using FAGAN). This is
   to be scheduled by the responsible SME for this feature with the
   testing team lead, documentation team lead and the IT development
   Managers. The IT develop managers will assign the appropriate
   representatives to attend the meeting. These inspections are not to
   inspect the author, they are to be used to understand the
   functionality required for development of the 'Detail Design
   Document'.

3. The 'Analysis Phase Specific' checklist must be used,
   documented and baselined for each feature.

4. Any correspondence associated with this feature should also
   be documented (i.e., impromptu meetings, phone
   conversations, etc.) and associated with the feature number.
   It should include time, date and participants.

5. Continue numbering scheme in your text input under each to
   provide traceability for matrixes.

1. Abstract:

(brief description of
change/addition) – This
should pretty closely match
the abstract in CMVC.

1.1 Prepare/provide a search program to find all occurrences of
    the T, D, and F prefix FRCs in Florida CMCs for open
    EWOs. Then make global changes to change the prefixes
    from T, D, F to be '8'. Verify that FRCs from CORTS valid.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Florida uses the T, D, and F prefixed FRCs for fiber per the state PSC but this will change effective 1/1/98 so all substeps on open EWOs need to be found and changed per CCRs # 287, 288 and 292.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Provide a program to find each occurrence of the T, D, and F prefixed FRCs in Florida CMCs and then make "global" changes to change the prefix to the number "8" for each cable substep and remove the TDF if circuit equipment.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Find each T, D, and F prefix FRC in Florida EWOs.

Change each occurrence by removing the letter prefix and/or substitute with an eight (8) as example:

D/F/T 12 C/X/M will be 812C/X/M

D/F/T 22C/X/M will be 822C/X/M

D/F/T 5C/X/M will be 85C/X/M

D/F/T 45C/X/M will be 845C/X/M

D/F/T 6C/X/M will be 86C/X/M

D/F/T 52/C/X/M will be 852C/X/M

D/F/T 257C/X/M will be 257C/X/M

D/F 958C/X/M will be 958C/X/M

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 None since this should be done at night or weekend times.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Avoid each CMC having to do manual and separate searches and manual changes.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports		X
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1   NONE

10. Work-around:		(check) Yes	(check) No
(is there a temporary work around?)	X		.
(describe work around in detail) [Also identify this in the OSPCM 'known problem' document]	10.1	Each CMC in Florida will be required to search and find all occurrences of open T, D, and F prefix FRCs. Then, each such substep will require a manual change. Note that this must be done in a very short time frame since old codes are valid until 12/31/1997.	

.

11. Risks:

(list factors that impact, positive/negative, not doing this change)	11.1 Probable errors in changes and reporting of FRCs. Much manual work to accomplish task.

.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)	12.1 Refer to CCRs #287, 288 and 292 which specify the change. This does not change what we do but does change the FRCs that are valid.

. .

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Verify that user guides and help do not contain reference to FRCs such as Tnnx.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 Notify Florida users in advance that this feature is pending so they do not make effort to do. Consider using a broadcast message on the system.

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)
REQUIRED **[Tester should prepare checklist based on these test**

15.1 Perform JE data creation to verify changed FRCs are OK. Open an EWO that had prefix of T, D, and F to ascertain change.

**scenarios for
documentation on results of
tests. These should be in
matrix form identified back
to the numbering scheme
used in these test scenarios]**

16. Attachments:

(copies of screens, reports,   16.1 NONE
etc. before and after proposed
change-only identify if the
customer requires the screen
or something on the screen to
look a certain way)

Signatures of Agreement: L.A. Edgar
(add additional rows if
necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

BAE Start Date: 04/07/1998   **BAE Name:**   Mark Seal

BAE Comp. Date: 06/19/1998   **BAE Tele. No.:**   205-977-3618

BAE Hours: 10   **LA Assigned:**

CMVC Component Name: Billing and Reporting

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   2.15   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   19

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision: B.   The contract material correction screen in Billing and Reporting must have more changes. The correction process behind the Bulk reporting screen must recognize disbursed and non-disbursed material.

C.   The contract material requires more information than is presently contained on the Bulk screens. It has been decided to use the material corrections screen in Billing and Reporting. This revision addresses the changes to that screen in order to make material corrections on contractor completed substeps.

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1.   The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2.   All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3.   The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4.   Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Allow telco users to change material on completed contractor substeps in Billing and Reporting.

1.2 Do not allow material to be disbursed when errors are returned from the material edit process.

1.3 Material error messages from the material edit process are not clear enough for the user to know how to make corrections.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Cannot correct or change any materials reporting on a contractor substep.

2.2 All material is being disbursed when the substep is completed even if errors are returned from the material management process.

2.3 Material error messages from the material edit process are not clear enough for the user to know how to make corrections.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Allow a telco user to change material on a contractor substep on the material corrections screen in Billing and Reporting module.

3.2 Do not disburse material to FP on contract substeps when an error is generated in the material management process. Create material usage records and reversals the same way workstation handles materials.

3.3 Where possible change the error messages being provided from the material edit process to provide more information so users can understand the problems and make corrections.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Changes

Change the system so that when a contractor substep is completed in Billing and Reporting that the system will generate a material usage record. Change the logic so that when a contractor substep is completed that the system does not automatically set the opeds indicator to "Y". This indicator should be set only if no error is returned from the material management process. If a negative return code is generated in the material management process then the error should be displayed on the "Error Correction" screen in

Billing and Reporting.

Change the material corrections screen in Billing and Reporting so that a user can access any contractor completed substep's material information that is in error.

Allow the user to edit the material information and save. If the material correction passes the material edit process then set the opeds indicator to "Y". The user should be able to change the same fields that are currently being edited in workstation. Allow the user to enter a job name and access material for editing purposes on jobs that do not have a material management processing error. After the user makes changes the system will check the material management process for negative return codes. If no errors are found then the system will create a reversal usage record and a new material usage record to go to FP.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 These changes should not affect the performance of the Billing and Reporting process at all.

6. Dependencies:

(list any defects or features   6.1 NONE

that this enhancement is

dependent on or that will be

dependent on this feature)

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Telco users will be able to correct material reporting errors for contract substeps.

7.2 This will also stop material from being disbursed to FP when errors occur in the material management process.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 OSPCM Financial Process interface will send corrected material reporting information on contract substeps as well as telco substeps. This process should not be affected by the changes in this specification.

10. **Work-around:**		(check)	(check)
		Yes	No
(is there a temporary work around?)			X
(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**	10.2 Currently there is no way to correct material errors generated in OPSCM or FP for completed contract substeps.		

11. **Risks:**	
(list factors that impact, positive/negative, not doing this change)	11.1 If this change is not made then there is no way in OSPCM to correct material reporting errors generated in OPSCM or FP for contract completed substeps.

12. **Business Rules:**		
(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)	12.1	Do not allow any users or the system to uncomplete a contractor substep. Any change in material on a completed contract substep will not uncomplete the substep. Do not change or delete an invoice or CIBE if one exists for a completed contract substep. When an invoice is created for a completed contract substep that has had the material changed, then the invoice will continue to be based on the cwi and cwi quantity.

This process will **_NOT_** change the substep flag from C (contract) to T (telco).

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Billing and Reporting user guides and help create or update any job aid on material corrections.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 Some training may be required for the material correction screen's new functionality.

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed) **REQUIRED [Tester should**

15.1 Billing and Reporting:
Complete a contract substep in Billing and Reporting that has no errors from the material process. Check the Opeds Ind. And it should be set to "Y".
Verify that the material information is sent to FP.

**prepare checklist based on
these test scenarios for
documentation on results of
tests. These should be in
matrix form identified back
to the numbering scheme
used in these test scenarios]**

Repeat this process where an invoice and/or CIBE is generated and verify that the material flows to FP in the same manner as above.

15.2 Billing and Reporting:

Complete a contract substep in Billing and Reporting that has errors returned from the material process. Check the Opeds Ind. and it should be set to "N."

Check the material correction screen in Billing and Reporting and an error should be displayed. Verify that all fields can be edited and make the necessary corrections.

Check the Opeds Ind. and it should be set to "Y."

Verify that the material information is sent to FP.

15.3

Complete a contract substep in Billing and Reporting that has errors returned from the material process. Check the Opeds Inc. and it should be set to "N."

Check the material correction screen in Billing and Reporting and an error should be displayed. Verify that all fields can be edited and make corrections that will generate another error.

Verify that the system will not save this until the error is corrected.

Check the Opeds Ind. and it should be set to "N".

Make the correction and verify that the Opeds Ind. is set to "Y" and the material is disbursed to FP.

15.4

Access the material correction screen in Billing and Reporting and enter a job name, print, and step.

Report and enter a job name, print and step.

Verify that changes can be made to existing material information even though there is no error.

Verify that a reversal usage is created and a new material usage record is created and sent to FP.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7900a

BAE Start Date:	04/08/1998	**BAE Name:**	Mark Seal
BAE Comp. Date:	04/08/1998	**BAE Tele. No.:**	205-977-3618
BAE Hours:	3	**LA Assigned:**	

CMVC Component Name: Workstation

Associated Defect/Feature No.: 7944

Target Release:

(give target release this   2.12
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from   18
'feature priority' list –
number preliminary
assigned by SME

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Allow more users to access work reports and work report errors generated by MTR.

1.2 Allow core staff users the ability to create work reports.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently, Core Staff, level 59 managers, craft and their supervisors can view errors and access existing work reports. This is limited for the supervisor to only those reports for employees assigned to them.

2.2 Currently, only the craft and their supervisors can create work reports.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Change the workstation module to allow clerical users to have access to workstation and view MTR errors, MTR profiles and correct existing work reports.

3.2 Change the workstation module so that core staff users will have the ability to create new work reports. NOTE: Level 59 manager access will not change due to this feature.

4. Change/Addition(s):

(detailed description of change/addition)

4.1   Any user that is identified in the employee editor as non-management and has a work type of "Clerical" will have access to workstation and will be allowed to open the MTR error screen, the MTR profile screen and existing work reports for all employees in the CMC. For a clerical user disable all other tool bar buttons and "File" options. Currently, if a user has access to the MTR error screen then he/she can open existing work reports by double clicking on the error and there should be no change in that functionality.

4.2   Change the system so that any user with a 231 security tag (core staff user) will have the ability to create work reports. There will be no change for level 59 managers.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1   The changes identified in this functional specification should not affect system performance.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1   Defect 7944 must be worked with this feature.

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Clerical users need access to all errors and existing work reports. Clerical users need access to the MTR profile for all employees in the CMC. 7.2 Core staff users need to be able to create work reports for testing and investigating troubles. There will be no change for level 59 management users.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports		X
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:	(check)	(check)
	Yes	**No**
(is there a temporary work around?)		X

(describe work around in detail) [**Also identify this in the OSPCM 'known problem' document**]

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 The only work around is to log onto the system using someone else's cuid and password which is a security violation.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 A core staff user should have access to read, create and update data.

12.2 A clerical user will not be allowed to create new work reports.

12.3 A craft employee with a work type of "placing, splicing, mixed or I&M" should continue to have access to their MTR errors and work reports only.

12.4 A Supervisor's access should not be changed due to this feature.

12.5 A level 59 management user's access will not change due to this feature.

13. Documentation Changes:

(list affected documents requiring change)

[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 Workstation user guides and help.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed)

REQUIRED **[Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back**

15.1 Level 59 Management user;
Log in to OSPCM as a management user and access the MTR error screen. All errors for the CMC should be displayed.
Double click on an error for an employee.
The employee work report should open.
Updates to the work report should be allowed along with save and save and close.

15.2 Clerical user;
Log in to OSPCM as a clerical user and access

to the numbering scheme

used in these test scenarios]

the MTR error screen. All errors for the CMC should be displayed.

Double click on an error for any employee. The employee work report should open. Updates to the work report should be allowed along with save and save and close. Access the MTR profile screen and make changes to an employee's profile. Verify that as a clerical user a new work report cannot be created.

15.3 Core staff user;

Log in to OSPCM as a core staff users and access the MTR error screen. All errors for the CMC should be displayed.

· Double click on an error for an employee. The employee work report should open. Updates to the work report should be allowed along with save and save and close. From the workstation desk top, click on the NEW button on the tool bar. The employee drop down list should display with all employees for the CMC listed. Select one employee and build a work report and save and close. From the workstation desk top, click on the NEW button on the tool bar. The employee drop down list should display with all employees for the CMC listed. Select one employee and click OK. Add up to 5 additional employees and build a

work report and save and close.

From the workstation desk top, click on FILE and select new report.

The crew screen should display with all employees for the CMC listed.

Select one employee and build a work report and save and close.

From the workstation desk top, click on FILE and select new report.

The crew screen should display with all employees for the CMC listed.

Select up to 6 employees and build a work report and save and close.

15.4 Supervisor

Log in to OSPCM as a supervisor and access the MTR error screen. All errors for that supervisor should be displayed.

Double click on an error for an employee.

The employee work report should open.

Updates to the work report should be allowed along with save and save and close.

From the workstation desk top, click on the new button on the tool bar.

The employee work report should open.

Updates to the work report should be allowed along with save and save and close.

From the workstation desk top, click on the NEW button on the tool bar.

The employee drop down list should display with all employees for the supervisor only.

Select one employee and build a work report and save and close.

From the workstation desk top, click on the NEW button on the tool bar.

The employee drop down list should display with all employees for the Supervisor.

Select one employee and click OK.

Add up to 5 additional employees and build a work report and save and close.

15.5

Verify that superiors and craft employees access does not change with this feature.

15.6

Perform regression testing on supervisor and craft functionality.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7903A

BAE Start Date:	May 1, 1998	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	May 6, 1998	**BAE Tele. No.:**	205-977-3611
BAE Hours:	1.5 hours	**LA Assigned:**	Karin Olinger

CMVC Component Name: Materials Management

Associated Defect/Feature No.:

Target Release:

(give target release this

needs to be in) **[Only**

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Target Release Date:

(give target release date for

this enhancement, if required)

Priority:

(provide priority from

'feature priority' list –

number preliminary

assigned by SME

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Add the age of the material to the "Inventory Scan Summary" crystal report in Materials Management.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Today the 'Inventory Scan Summary' report displays/prints the MIC, material description, serial number, reel type, quantity, bin loc, inventory site, phy. Loc., job number, res id. And status of all material items displayed on the report. Today the filed user must display/print the 'Inventory Scan Details' report to know the age of the material, this is a two line report and contains much more information then the Summary Report. Also the detail report is usually three times the size of the summary report when printed.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Enhance the 'Inventory Scan Summary' crystal report-add one additional column to display/print the AGE of the material.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Add one column to display the Age of material on the 'Inventory Scan Summary' crystal report in

Materials Management. The column can be added after the status column.

4.2 The age of the material is the number of days since the material was added into inventory (see calculation used on the Inventory Scan Details Report)

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There should be no noticeable affect on performance.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Give the user the capability of pulling a report that will give them all the information they need to determine what material should be used first in the yard. This will help them control the cost of doing business.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP		X
User Guides		X
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

9. Interfaces

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:

	(check) Yes	(check) No
(Is there a temporary work around?)	X	
(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**	10.1 Pull the Inventory Scan Details Report	

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 This change would make the crystal reports available in Material Management more user friendly. This will help the construction supervisor to track and use the surplus and unassigned material in the yards.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 NONE

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Functional Decomps

13.2 Test Scenarios

13.3 Material Management Business Solution

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.1 Log on to OSPCM

15.2 Display the Inventory Scan Search Criteria window

15.3 Run an Inventory Scan

15.4 After the result of the scan is displayed (Inventory Scan Results Window) select print

15.5 Select print "Inventory Scan Summary"

15.6 Verify that the age for each material item listed on the report is populated

16. Attachments:

(copies of screens, reports,   16.1 NONE

etc. before and after

proposed change-only

identify if the customer

requires the screen or

something on the screen to

look a certain way)

Signatures of Agreement

(add additional rows if necessary)

BAE: (on file) 05/11/98

Lead Analyst: (on file) 05/11/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7915A

BAE Start Date: 05/08/1998   **BAE Name:** Mark Seal

BAE Comp. Date: 05/08/1998   **BAE Tele. No.:** 205-977-3618

BAE Hours: 3   **LA Assigned:**

CMVC Component Name: Workstation

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   2.15   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   High

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Change the system so that the Bulk reporting screen in workstation will open faster when a CMC is selected and job information is retrieved.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the system takes a very long time to open the Bulk reporting screen when a CMC is selected and job information is retrieved. This is because the system retrieves from the data base all jobs, prints and steps when a CMC is selected. Then when retrieving substep information and associated material information it takes too long to populate the substep grid.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Change the system so that when selecting a CMC on the Bulk screen the system only retrieves and displays the job information faster.

3.2 When the user selects a job, the system should retrieve and display the associated prints and steps.

3.3 When the user selects a step the system should retrieve and display in the substep grid the substeps and associated material information faster.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Change the system and/or contracts so that when selecting a CMC on the Bulk screen the system only retrieves and displays the job information faster.

4.2 Change the system and/or contracts so that when the user selects a job, the system will retrieve and display the associated prints and steps.

4.3 Change the system and/or contracts so that when the user selects a step the system will retrieve and display in the substep grid the substeps and associated material information faster.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 These should be a great performance improvement when accessing information on the Bulk reporting screen due to this feature.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 This change will improve the performance of the Bulk reporting screens in the workstation module

8. Affected Components:

	(check) Yes	No	(check)
RTOC Instructions			X
HELP			X
User Guides			X
Testing			X
Infra-structure			X
Management Reports			X
Database			X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:	(check)	(check)
	Yes	No

(is there a temporary work around?)

(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**

10.1 The only work around today is to sit and wait for the system to retrieve all of the data.

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Continued complaints from the users about poor system performance.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 Current Business rules should apply.

13. Documentation Changes:

(list affected documents   13.1 NONE

requiring change)

[Documentation should

prepare a checklist

covering each document

that must be updated for

this feature]

14. Special Training/Implementation Requirements:

(list any special   14.1 NONE

training/implementation

required for this feature.

Identify what will be

required to train and

implement this feature to the

customer, i.e., by

documentation, e-mail, help,

cue cards, on sight training,

etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required   15.1 Verify that when selecting a CMC on the

to test change prior to user   Bulk reporting screens the contracts only retrieve

acceptance, this can be   the Job name.

updated after the detailed   15.2 Verify that all open and price firmed job

design is completed.)   names are retrieved.

REQUIRED **[Tester**   15.3 Verify that when selecting a job that the

should prepare checklist   system retrieves all prints and steps for the job

based on these test   selected.

scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.4 Verify that when a step is selected that the system retrieves and displays all substeps and associated material faster.

15.5 Verifying the increase in performance may require that some time studies be done before and after the code has been changed.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 7899A

</div>

BAE Start Date: 05-08-1998   **BAE Name:**   Mark Seal

BAE Comp. Date: 05-08-1998   **BAE Tele. No.:**   205-977-3618

BAE Hours: 7   **LA Assigned:**

CMVC Component Name: JE-EWO/Configuration/Scheduling

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   2.15   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   HIGH

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Change the configuration process so that each time a job is configured before the price is firmed, the system will reconfigure the entire job.

1.2 Change the configuration process so that when a job is re-configured after the price has been firmed that the system will attempt to place changed and added substeps in the correct existing activity.

1.3 Change the configuration process so that when a substep cannot be placed in an existing activity that the system creates an activity and that activity is inserted into the existing scheduling network, if possible. If not possible, a new scheduling network will be created.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Each time a job is configured after the initial configuration the system creates "NEW" activities for those additional and changed substeps. When a job is re-configured, "NEW" activities are created and they do **not** schedule.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the

3.1 Eliminate the "N/E" activity flag in the database. This flag identifies a NEW activity verses an EXISTING activity.

3.2 Change the configuration process so that when

solution)

a job is re-configured and the price is not firmed the whole job is reconfigured as if it were the first time. This means that the process will re-establish all of the activities, activity dependencies, key dates and CPM dates.

3.3 Change the configuration process so that when a job is re-configured after the price has been firmed any new and/or changed substeps will be inserted into an existing activity based on work type resource group.

3.4 When the work type resource group of an added or changed substep does not exist on an activity within the scheduling network then the system will create a new activity.

3.5 When the system creates an activity it will attempt to insert the activity into the existing scheduling network based on the current business rules associated with using the scheduling sequence codes and work types. If it can't, a new scheduling network will be created for the activity.

4. Change/Addition(s):
(detailed description of change/addition)

4.1 Change the configuration process so that when a job is configured and the price has not been firmed then the configuration process will treat the job as if it has never been configured. This means that the process will establish all of the activities, activity dependencies, key dates, date types and CPM dates.

4.2 Change the configuration process so that when

a job is configured and the price has already been firmed the system will recognize any new or changed substep. The system will maintain the existing scheduling network(s) and insert the new or changed substeps into existing activities based on the following business rules.

4.3 Do not change the network key date.

4.4 If the new or changed substep has the same resource group and work type as an existing activity then add the substep to the existing activity.

4.5 If more than one activity has the same work type and resource group assigned then insert the new or changed substep into the first activity found.

4.6 If there are no existing activities with the same work type and resource group then place the new or changed substep in a new activity.

4.7 Place the new activity in the existing scheduling network based on the current business rules associated with work type resource group scheduling sequence codes. If multiple scheduling networks exist then try to insert the new activity in the oldest network first and then the next oldest and so on.

4.8 If the system can't insert the new activity into an existing network then create a new scheduling network.

4.9 Do not add or change key dates, date types and priorities on existing scheduling networks.

4.10 Once all of the new or changed substeps are

inserted into an activity if there are any activities that do not have a substep then use the existing business rules to delete the activity and the scheduling network if necessary. See Defect 7987.

4.11 In those cases where substeps are deleted resulting in a need to delete an activity or an entire scheduling network then the existing business rules will apply. See Defect 7987.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 These changes should result in slightly slower performance during the configuration process which runs in the back ground and should not affect the user.

5.2 These changes should result in slightly better performance for the scheduling module.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 Defect 7987 This defect corrects the problem of handling activities correctly when no substeps are in the activity.

6.2 Removing the N/E New or Existing flag in the data base will affect management reports.

6.3 Removing the N/E New or Existing flag in the data base will affect the GUI in scheduling and workstation modules.

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 All activities will schedule after the price has been firmed.

7.2 Numerous hours are being spent to handle NEW activities today.

7.3 There will be no need to handle New activities or scheduling networks in order to schedule work.

8. Affected Components:

	Yes (check)	No (check)
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports	X	
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:		(check) Yes	(check) No
(is there a temporary work around?)	X		
(describe work around in detail) [**Also identify this in OSPCM 'known problem' document**]		10.1 Currently many hours are being spent to handle the NEW activities in order to schedule the work in these activities. This feature will eliminate NEW activities and therefore schedule all work.	

11. Risks:

(list factors that impact, positive/negative, not doing this change)	11.1 The users will continue to spend many hours handling the NEW activities in order to schedule all work.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, *****business rule*****)

12.1 Change the configuration process so that when a job is configured and the price has already been firmed the system will recognize any new or changed substep.

12.2 The system will maintain the existing scheduling network(s) and insert the new or changed substeps into existing activities based on the following business rules.

- Do not change the network key date.

- If the new or changed substep has the same resource group and work type as an existing activity then add the substep to the existing activity.

- If more than one activity has the same work type and resource group assigned then insert the new or changed substep into the first activity found.

- If there are no existing activities with the same work type and resource group then place the new or changed substep in a new existing activity.

- Place the new activity in the existing scheduling network based on the current business rules associated with work type resource group and scheduling sequence codes. If multiple scheduling networks exist then try to insert the new activity in the oldest network first and then the next oldest and so on.

- If the system can't insert the new activity into an existing network then create a new scheduling network.

- Do not add or change key dates, date types and priorities on existing scheduling networks.

- Once all of the new or changed substeps are inserted into an activity if there are any activities that do not have a substep then use the existing business rules to delete the activity and the scheduling network if necessary. See Defect 7987.

- In those cases where substeps are deleted resulting in a need to delete an activity or an entire scheduling network then the existing business rules will apply. See Defect 7987.

13. Documentation Changes:

(list affected documents

requiring change)

[Documentation should

prepare a checklist

covering each document

that must be updated for

this feature]

13.1 User Guides

13.2 Help

14. Special Training/Implementation Requirements:

(list any special

training/implementation

required for this feature.

Identify what will be

required to train and

implement this feature to the

customer, i.e., by

documentation, e-mail, help,

cue cards, on sight training,

etc.)

14.1 User guides

14.2 Help

14.3 Job aids

14.4 Release Notes

14.5 On-Site training

15. Acceptance Criteria/Test Scenario:

(list test scenarios required
to test change prior to user
acceptance, this can be
updated after the detailed
design is completed.)
REQUIRED **[Tester**
should prepare checklist
based on these test

15.1 Encode and configure a new job so that after configuration there are at least 3 activities created with at least 6 substeps in each activity. Do not firm price the job.

15.2 Add several new substeps to the job and re-configure the job.

15.3 Verify that the whole job re-configured and no NEW activities are created.

scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.4 Price firm the job.

15.5 Add several new substeps and delete at least 2 substeps and then re-configure the job.

15.6 Verify that no NEW activity has been created.

15.7 Verify that the deleted substeps are not in any activity.

15.8 Verify that the added substps have been inserted into an existing activity.

15.9 Add a new substep that has a work type that does not exist on the job yet.

15.10 Re-configure the job.

15.11 Verify that no NEW activity has been created.

15.12 Verify that a new existing activity has been created and that it has been placed in the scheduling network.

15.13 Verify that the new activity does not affect the existing network key date, date type and priority.

15.14 Delete the substep added on step 15.9 and configure the job.

15.15 Verify that the last activity created was deleted during the last configuration.

16. Attachments:
(copies of screens, reports,   16.1 NONE

etc. before and after

proposed change-only

identify if the customer

requires the screen or

something on the screen to

look a certain way)

Signatures of Agreement:
(add additional rows if necessary)

BAE: (on file) 5/14/98

Lead Analyst: (on file) 5/14/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7947B

BAE Start Date:	04/16/1998	**BAE Name:**	Gail W. Deaton
BAE Comp. Date:	04/23/1998	**BAE Tele. No.:**	205-977-3615
BAE Hours:	3	**LA Assigned:**	

CMVC Component Name: je_ewo

Associated Defect/Feature No.:

Target Release:		**Target Release Date:**	
(give target release this needs to be in) [Only identify if this is required for an emergency release or must be worked in next scheduled release]	2.14	(give target release date for this enhancement, if required)	6/1998

Priority:

(provide priority from 'feature priority' list – number preliminary assigned by SME)   Hi

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision: Walkthru results and change target release

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Make the default for the Est. Comp. Date in job_ewo 120 days from the current date.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the default for the Est. Comp. Date is 30 days from today's date. Designers are not properly changing the date to a realistic date. When the job is FIRMed in Pricing and sent to BCAS the approval date is after the Est. Comp. Date. This is causing BCAS errors to be generated.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Make the default for the Est. Comp. Date in job_ewo 120 days from the current date. This should eliminate most of the BCAS errors.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 The Est. Comp. Date currently defaults to 30 days from the current date. With this feature, this date will default to the current date + 120 days. This will be the default for the creation of EWO and PWO jobs. In addition, when the user selects

to clone a job, the Est. Comp. Date will default to the current date + 120 days. The user can change the Est. Comp. Date, but it must be the current date or a future date.

5. Performance Requirements:
(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

6. Dependencies:
(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

7. Benefits:
(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Eliminates BCAS errors generated to the users. Savings in the time it takes to investigate and correct these errors.

8. Affected Components: (check) (check)

	Yes	No	
RTOC Instructions			X
HELP	X		
User Guides			X
Testing	X		
Infra-structure			X
Management Reports			X
Database			X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

10. Work-around: (check) (check)

	Yes	No

Yes No

(is there a temporary work around?)   X

(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 User acceptance and BCAS response.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

13. Documentation Changes:

(list affected documents requiring change)

[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 On Line Help show the default for the Est. Comp. Date is 120 days from the current date. Indicate that this date can be changed by the user.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [**Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios**]

15.1

Enter a new EWP type job in job_entry. Check to make sure the Est. Comp. Date default is 120 days from today.

Enter a new PWO type job in job_entry. Check to make sure the Est. Comp. Date default is 120 days from today.

Test to see if the default date of 120 days from today can be changed to the current date or a future date.

Enter a past date in the Est. Comp. Date. Verify that an error message is generated.

Select the refresh button, the Est. Comp. Date should be reset to the current date + 120 days.

15.2

Clone a job. Verify that the default Est. Comp. Date is 120 days from the current date.

16. Attachments:

(copies of screens, reports,
etc. before and after proposed
change-only identify if the
customer requires the screen
or something on the screen to
look a certain way)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 8101A

BAE Start Date:	05/18/1998	**BAE Name:**	Wesley White
BAE Comp. Date:	05/18/1998	**BAE Tele. No.:**	977-7436
BAE Hours:	1	**LA Assigned:**	

CMVC Component Name: Mgmt_reports

Associated Defect/Feature No.:   8101

Target Release:

(give target release this   2.14
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from
'feature priority' list –
number preliminary
assigned by SME)

Revision No.: (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) -- This should pretty closely match the abstract in CMVC.

1.1 Add a new variable to indicate if the requested report should be sent directly to the printer or returned to the screen for online viewing.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the user only has the option of printing the report AFTER it has been returned to the screen.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Allow the user the choice of sending the selected report directly to the printer or viewing it online to improve performance. This requires a variable to be passed with the report request.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 When user selects a report vbfile.ftm is created. It is a comma delimited file of the variables the user has selected. Add an additional variable to vbfile.ftm. Add a checkbox to the vb screen with a title of "Send To Printer". If the user checks the checkbox populate a "y" in the variable in vbfile.ftm. If the user does not check the checkbox populate a "n" in vbfile.ftm. The checkbox should work the same as the other prompts on the vb screen. The checkbox should only be activated for reports where the prompt is turned on, by reading the prompts from admin module. Include help file for context # 125500043 to F1 key for field "return after preview".

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 Performance of the Management Reports application should be improved because the user won't have to wait for the report to be returned to the screen if they only want to print a copy of the report.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 The user won't have to wait for the report to be returned to the screen if they only want to print a copy of the report.

8. Affected Components:

	Yes (check)	No (check)
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports	X	
Database		X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:	(check)	(check)
	Yes	**No**
(is there a temporary work around?)		X
(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**		

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1   If feature is not worked poor performance of mgmt reports will continue. User will have to wait until report is formatted to screen before choosing to print the report.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 When the Send to Printer check box is activated a variable of Y should be written to the vbfile file. If the send to printer check box is not checked a N should be written to the file. The Send to printer check box should only be activated if specified for the particular report being run.

13. Documentation Changes:

(list affected documents
requiring change)
**[Documentation should
prepare a checklist
covering each document
that must be updated for
this feature]**

13.1 Management Reports, Online Help and User Guide

14 Special Training/Implementation Requirements:

(list any special
training/implementation
required for this feature.
Identify what will be
required to train and
implement this feature to the
customer, i.e., by
documentation, e-mail, help,
cue cards, on sight training,
etc.)

14.1 Release Notes

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.) REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.1 1.)Verify that you can turn the check-box off and on for various reports, 2.) request a report and send it directly to the printer and 3.) request a report and view it on-line as is currently designed 4.) verify help works for return after preview and send to printer.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

Signatures of Agreement:
(add additional rows if necessary)

BAE: (on file) 5/28/98

Lead Analyst: (on file) 5/28/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 8102B

BAE Start Date:	05/18/1998	**BAE Name:**	Wesley White
BAE Comp. Date:	05/30/1998	**BAE Tele. No.:**	977-7436
BAE Hours:	3	**LA Assigned:**	

CMVC Component Name: Pricing, job entry, management reports

Associated Defect/Feature No.:   8102

Target Release:

(give target release this
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from
'feature priority' list –
number preliminary
assigned by SME)

Revision No.:   B   (B, C, etc. – this will require new signatures)

Reason for Revision: Add additional functionality

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1. Capture initial approval date and original sti_time_qty to create "Encoding Audit Report". **BUFIT file to gain shar m asur ments group**.

Definitions:
a) Initial approval date – the date the first time the job is firmed in ospcm
b) Original sti_time_qty – amount of sti_time_qty on substep at initial approval date
c) Actual sti_time_qty – the amount in the sti_time_qty field on a substep as it exists now.
d) Period of batch process – time period the batch process is being run for, the process needs to run at least once a month to calculate a months worth of data. For example, the process might run on 1st to calculate amounts on all completed and cancelled substeps from the 1st to the 31st of the previous month. It should retain a rolling 12 months data.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the system overwrites the approval date each time the job is firmed, and the system overwrites the sti_time_qty for a substep each time a job is reconfigured and changes that affect the substep_sti quantity have been made. The users cannot determine which steps are added after the first approval and cannot tell how much change there may be in sti_time_qty from time of encoding to completion. The users need the data

to create the "Encoding Audit Report". **The gain share group needs a file to be bufited to them for loading into their database. The dollars spent on EXHB L001A and E001A CWIs must be tracked for use in gain share measurement.**

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Add database fields to capture

A.) "initial approval date" of job

B.) "original sti_time_qty" for all substeps on a job at time of approval.

3.2 Create batch process to calculate percent difference between sum of "original sti_time_qty" and sum of "actual sti_time_qty" for all substeps completed or canceled for "period of batch process". The sti fields should be summed first on all substeps within an rc_cd and wirecenter then the difference calculated.

3.3 BUFIT a copy of file that will be updated in new database to the gain share group.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 JOB ENTRY

A.) create new field to capture "original sti_time_qty"

B.) When a substep is entered in job_entry the "original sti_time_qty" should be populated with 0

C.) When an existing substep is updated in job entry the process should not repopulate "original sti_time_qty"

D.) The "actual sti_time_qty" field should work as it currently does

E.) Add a date of deletion field to the database. Populate the field with the current date when a substep is canceled or deleted.

4.2 PRICING

A.) Capture "initial approval date" of job – this date should be captured in pricing at the time the job is firmed. The existing approval date field should not change and should continue to function as it currently does.

B.) On clicking the firm button the process should check to see if "initial approval date" is populated.

1. If "initial approval date" is not populated populate the current approval_dt field and

a.) populate "initial approval date" field with the approval date

b.) copy sti_time_qty on all existing substeps to "original sti_time_qty"

2. If "initial approval date" is populated

a.) populate current approval date field and do not

repopulate "initial approval date"

b.) do not repopulate "original sti_time_qty"

4.3 MANAGEMENT REPORTS

A.) Create batch process to capture:

1. "original sti_time_qty"

2. "Actual sti_time_qty"

3. PERCENT Difference between "original sti_time_qty" and "actual_time_qty" completed or canceled substeps during "period of batch run"

4. CMC of job of substep

5. Rc_cd of resid of substep

6. Wirecenter of substep

7. Total # of complete substeps for rc_cd and wirecenter for period of batch run

8. Month/year of completion for substeps for which batch process is being run

9. Total dollars spent on L001A Exhibit B

10. Total dollars spent on E001A Exhibit B

SEE ATTACHED FOR 9 and 10

B. Data should be stored by CMC, by Wirecenter, by rc_cd

C. Data should be calculated only for EWO jobs and PWO jobs where the fourth digit of the job_nbr is an 'E'. Exclude exhibit B work xc pt for calculating total dollars spent on completed EXHB sust ps with L001A and E001A CWIs during the period of the batch run.

D. Data should only contain jobs that are approved.

E. Data should contain only substeps complete, canceled, or deleted during period of batch run.

F. Batch run should run at least once a month to calculate the full previous months data.

G. A flat file should be bufited to the gain share group each time the process is run and contain the information that will be populated in the batch process table. Using a numbering scheme for the file so that the bufit group can determine which server and when the file was sent, such as AL271498

H. The should retain a rolling 12 month data.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 Performance should be improved because batch process will calculate data faster than focus.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1   Currently some of this data cannot be calculated and requires manual effort to calculate this process will reduce effort needed to calculate this information.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions	X	
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports	X	
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) [**Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding**]

9.1 NONE

10. Work-around:

	(check) Yes	(check) No
(is there a temporary work around?)		X

(describe work around in detail) [**Also identify this in OSPCM 'known problem' document**]

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Improved performance and ability to calculate information not currently in system.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, *****business rule*****)

12.1 JOB ENTRY

A.) create new field to capture "original sti_time_qty"

B.) When a substep is entered in job_entry the "original sti_time_qty" should be populated with 0

C.) When an existing substep is updated in job entry the process should not repopulate "original sti_time_qty"

D.) The "actual sti_time_qty" field should work as it currently does

E.) Add a date of deletion field to the database. Populate the field with the current date when a substep is canceled or deleted.

12.2 PRICING

A.) Capture "initial approval date" of job – this date should be captured in pricing at the time the job is firmed. The existing approval date field should not change and should continue to function as it currently does.

B.)   On clicking the firm button the process should check to see if "initial approval date" is populated.

1. If "initial approval date" is not populated

    a.) populate the current approval_dt field and populate   "initial approval date" field with the approval date

    b.) copy sti_time_qty on all existing substeps to   "original sti_time_qty"

2. If "initial approval date" is populated

    a.) populate current approval date field and do not repopulate "initial approval date"

    b.) do not repopulate "original sti_time_qty"

12.3 MANAGEMENT REPORTS

A.) Create batch process to capture:

1. "original sti_time_qty"

2. "Actual sti_time_qty"

3. PERCENT Difference between "original sti_time_qty" and "actual_time_qty" completed or canceled substeps during "period of batch run"

4. CMC of job of substep

5. Rc_cd of resid of substep

6. Wirecenter of substep

7. Total # of complete subteps for rc_cd and wirecenter for period of batch run

8. Month/year of completion for substeps for which batch process is being run

9. Total dollars spent on L001A Exhibit

B

10. Total dollars spent on E001A Exhibit

B

SEE ATTACHED FOR 9 and 10

B.) Data should be stored by CMC, by Wirecenter, by rc_cd

C.) Data should be calculated only for EWO **jobs and PWO jobs where the fourth digit of the job_nbr is an 'E'.** Exclude exhibit B work **except for calculating total dollars spent on completed EXHB substeps with L001A and E001A CWIs during the period of the batch run.**

D.) Data should only contain jobs that are approved.

E.) Data should contain only substeps complete, canceled, or deleted during period of batch run.

F.) Batch run should run at least once a month to calculate the full previous months data

G.) The should retain a rolling 12 months data.

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 user guides for mgmt_reports, rtoc instructions for batch process

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 release notes, rtoc instructions

15 Acceptance Criteria/Test Scenario:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

15.1 JOB ENTRY

    A.) create new field to capture "original sti_time_qty"

    B.) When a substep is entered in job_entry the "original sti_time_qty" should be populated with 0

C.) When an existing substep is updated in job entry the process should not repopulate "original sti_time_qty" verify "original sti_time_qty" field is not affected by update

D.) The "actual sti_time_qty" field should work as it currently does

E.) Date Deleted field should be populated if a substep is canceled or deleted.

15.2 PRICING

A.) Create "initial approval date" field in database field should exist in database

B.) Capture "initial approval date" of job – this date should be captured in pricing at the time the job is firmed. The existing approval date field should not change and should

continue to function as it currently does. Verify existing approval date field works as it currently does.

C.) On clicking the firm button the process should check to see if "initial approval date" is populated.

    1. If "initial approval date" is not populated

        a.) populate the current approval_dt field and populate "initial approval date" field with the approval date.

        b.) Copy sti_time_qty on all existing substeps to "original sti_time_qty"

        Verify if initial approval date is not populated that it gets populated with the approval date when the job is firmed. Verify that the original sti_time_qty field is populated with sti-time-qty when job is firmed.

    2. if "initial approval date" is populated

        a.) populate current approval date field and do not repopulate "initial approval date"

        b.) do not repopulate "original sti_time_qty"

        Verify that if initial approval date is populated that if job is refirmed that initial approval date is not overwritten. Verify that the original sti-time-qty fields are not overwritten

15.3 MANAGEMENT REPORTS

A.) Create batch process to capture:

    1. "original sti_time_qty"

    2. "Actual sti_time_qty"

    3. PERCENT Difference between "original sti_time_qty" and "actual_time_qty" completed or canceled substeps during "period of batch run"

    4. CMC of job of substep

    5. Rc_cd of resid of substep

    6. Wirecenter of substep

7. Total # of complete substeps for rc_cd for period of batch run

8. Month of completion for substeps for which batch process is being run

B.) Data should be stored by CMC, by Wirecenter, by rc_cd

C.) Data should be calculated only for EWO and EWO **jobs and PWO jobs where the fourth digit of the job_nbr is an 'E'.** Exclude exhibit B work **except for calculating total dollars spent on completed EXHB substeps with L001A and E001A CWIs during the period of the batch run.**

D.) Data should only contain jobs that have an approval_dt

E.) Data should contain only substeps complete or canceled during period of batch run. Batch run should run at least once a month to calculate the full previous months data.

F.) A flat file should be bufited to the gain share group each time the process is run and contain the information that will be populated in the batch process table. Using a numbering scheme for the file so that the bufit group can determine which server and when the file was sent, such as AL271498.

should store data as described above.

16. Attachments:

(copies of screens, reports,   16.1 NONE

etc. before and after

proposed change-only

identify if the customer

requires the screen or

something on the screen to

look a certain way)

Signatures of Agreement:
(add additional rows if necessary)

BAE: (on file) 7/17/98

Lead Analyst: (on file) 7/17/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

BAE Start Date:	06/15/98	**BAE Name:**	Steve Kaminski
BAE Comp. Date:	06/19/98	**BAE Tele. No.:**	977-2646
BAE Hours:	4	**LA Assigned:**	

CMVC Component Name: All OSPCM Applications

Associated Defect/Feature No.:   NA

Target Release: **Target Release Date:**

(give target release this   2.15   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 This is a simple feature that adds a macro to each current HLP file within OSPCM allowing the user to access the OSPCM web site. The user would select various jump-links within a HLP file to display a job aid, OSPCM Product Bulletin, or specific document web page for an OSPCM User Guide from the OSPCM web site.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 The OSPCM web site is used to store most user documentation for OSPCM. This documentation consists of user guides, job aids, known workarounds and product bulletins. A user may or may not know what information is contained on this web site. As a result users are not using the web as much as they should or if they are they must access the OSPCM web site and search the associated pages for the documentation.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 The proposed solution provides quick access to the OSPCM web site from the online help (which is already part of an OSPCM application). Specific links can be provided that the user can select and go straight to the web site information.

For example, if a user is on the Splicing Tab for the Job Entry application and accesses the online help for information, there will be a link to the web site stating "For further information about encoding underground splicing work click here to display the Job Aid information."

4.   Change/Addition(s):

(detailed description of change/addition)

4.1 Create a new macro that contains the command script and appropriate parameters. (The macro command is the same, the only parameter change is the actual web site address such as ("ttp:/ospcm.bst.bls.com"or "http:/ospcm.bst.blx.com/pages/ospdocs.htm#jobaid")

4.2 Add one new DLL INETWH16 (provided with the RoboHelp product) to access the web site from the online help.

4.3 Add macro routine to the Configuration section of the project file (HPJ) within each HLP file.

4.4 Add a standard OSPCM web icon (to jump to the web site) to each application's contents help topic.

4.5 Add a "shortcut" icon for appropriate jumps to job aids, user guides, and product bulletins within each help file of an application.

4.6 Add key word of "web" to any jumps to the web for search capability.

4.7 Update How to Use OSPCM Help topic to include instructions on accessing the web site from the help file.

4.8 Add new DLL INETWH16 to CMVC Help component. This DLL must be included in the Help directory for the OSPCM build package.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There will be no impact on performance to any OSPCM applications as a result of this feature.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Provides the user with direct access to current updated OSPCM documentation.

7.2 Speeds up user tasks when information is readily available such as going to the Job Aid when encoding underground splicing work.

8. Affected Components: (check) (check)

	Yes	No
RTOC Instructions		
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		
Management Reports		
Database		

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 Need to coordinate with the OSPCM Web Master for any changes or additions to the current page/web structure. For example, if there is a jump to a job aid on the Documentation page and a new page was developed for only job aids, there could be a corrupted link from the online help.

10. **Work-around:**		(check)	(check)
		Yes	**No**
(is there a temporary work around?)	X		
(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**		10.1 User would have to access the OSPCM web site from outside the OSPCM application and search for the appropriate information.	

11. **Risks:**

(list factors that impact, positive/negative, not doing this change)	11.1 A user may not know what information is contained on the OSPCM web site.

12. **Business Rules:**

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

Currently all BellSouth terminals are required to have Netscape as part of their standard load.

12.1 Add to the How to Use OSPCM Help topic, information about having Netscape installed in order to access the OSPCM web site.

12.2 Create a pop-up for the following words "OSPCM web site." This pop-up will display the following text when a user places their cursor on these words (which will be in green and underlined) "You must have Netscape installed in order to access the OSPCM web site."

12.3 In the event that a terminal does not have Netscape (or any other web browser) and the user selects an Internet

jump/link then an error message will pop up stating that the "Routine was not found." They click OK and can continue onto their next task. This is a standard Microsoft error message for this type of occurrence.

13. Documentation Changes:

(list affected documents requiring change)

[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 Online Help

13.2 Overview chapters of user guides about online help

13.3 System Overview Guide section about accessing the web site.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 Add statement to the main OSPCM home page introducing this new feature.

14.2 Add instructions to the How to Use OSPCM Help topic to include accessing the OSPCM web site.

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be

For each application:

15.1 Access the OSPCM Guide.

    15.1.1   Select an application.

updated after the detailed design is completed.) **REQUIRED** [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.2 Select the Help icon from the toolbar.

    15.2.1   Select the OSPCM web site icon.

    15.2.2   View the web page contents.

    15.2.3   Exit web site and return to application.

15.3 Select the Help Contents menu item from the Help menu.

    15.1.1   Select Search button and type "web" as the search word.

    15.1.2   Select the Show Topics button.

    15.1.3   Select a web jump topic.

15.2 Double-click the web jump from the Help topic.

    15.2.1   View the web page contents.

    15.2.2   Exit the web site and return to the application.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 6/23/98

Lead Analyst: (on file) 6/23/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7341B

BAE Start Date:	04/07/1998	**BAE Name:**	Mark Seal
BAE Comp. Date:	04/15/1998	**BAE Tele. No.:**	205-977-3618
BAE Hours:	4 hours	**LA Assigned:**	

CMVC Component Name: Scheduling

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   2.12   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   7

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision: B…Revised spec to delete the workstation changed because this functionality already exists in workstation.

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Need to add ability to create and clear roadblocks on the activity mtce screen in scheduling.

1.2 NOTE: This change will require less than 40 hours of work and therefore will not require a detail design document.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 User cannot create or clear roadblocks from the activity mtce screen in scheduling. Screens are inconsistent.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Allow the user to create and clear roadblocks on the activity mtce screen in scheduling. Make the roadblock screen look and work the same in both scheduling and workstation.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Scheduling module:

Currently, on the activity mtce screen, if a roadblock exists on an activity and the user selects the activity and clicks on the roadblock button on the tool bar, then the roadblock screen is displayed with the roadblock data. Change the system so that the user can create or clear roadblocks on substeps. When a user selects a substep and clicks on the roadblock screen is displayed with any existing roadblock data. If there is no roadblock data then the screen will

display with no data. The user will have the ability to create a roadblock or clear any existing roadblocks. This functionality exists in workstation today and can be used in the scheduling module.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1   There should be no change in performance due to this change.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1   NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 This will allow the user responsible for scheduling to create, view and clear roadblocks when in the scheduling module.

8. Affected Components:

	(check) Yes	No	(check)
RTOC Instructions			X
HELP	X		
User Guides	X		
Testing	X		
Infra-structure	X		
Management Reports			X
Database			X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:	(check) Yes	(check) No
(is there a temporary work around?)		X

(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Users responsible for scheduling are not creating roadblocks because it currently requires that the scheduling module be closed and another module opened to create roadblocks. The schedule becomes inaccurate and roadblocked work is being scheduled incorrectly.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 Users should not be able to delete a roadblock. If a roadblock is entered in error then the user should clear the roadblock.

12.2 When a substep is completed by the user and a roadblock exists on the substep then the system should clear the roadblock automatically.

13. Document Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Scheduling user guide

13.2 Help for the activity mtce screen in the scheduling module.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.) **REQUIRED [Tester should prepare checklist based on these test scenarios for**

15.1 Scheduling module

- Access the activity mtce screen for a job.
- Select a substep that has no existing roadblock and click the roadblock button.
- The roadblock screen should open.
- Add a roadblock to the substep and click OK
- Re-open the roadblock screen to verify that the new roadblock exists.
- Repeat this scenario creating and clearing critical and non-

documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

critical roadblocks.

- Verify that multiple roadblocks can be entered on a single substep
- Verify that when completing a substep in workstation or Billing and Reporting that the roadblocks are automatically cleared by the system.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7342a

BAE Start Date:	04/08/1998	**BAE Name:**	Mark Seal
BAE Comp. Date:	04/08/1998	**BAE Tele. No.:**	205-977-3618
BAE Hours:	3	**LA Assigned:**	

CMVC Component Name: Scheduling

Associated Defect/Feature No.:

Target Release:

(give target release this   2.15
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from   HIGH
'feature priority' list –
number preliminary
assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Allow the user to request, display and print the scheduling diagnostic report for a single job.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently to check the scheduling diagnostic report to determine why an activity was delayed or did not schedule at all, the user must request the entire report which is for every job in the scheduling area.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Allow the user to request, display and print the scheduling diagnostic report for a single job.

4.   Change/Addition(s):

(detailed description of change/addition)

4.1 When the user selects the Scheduling diagnostic report from the print or print preview buttons, the system will display a dialog box. The user will have the option to select "ALL" or enter a job name in the dialog box.

4.2 When the user enters a job name and if the scheduling process generated data for the scheduling diagnostic report then only that job name will be on the report.

4.3 If the job name is not on the report then a message should be

displayed that says that the job is not on the scheduling diagnostic report.

4.4 When the user selects "ALL" from the dialog box then the entire report will be displayed or printed appropriately.

5. Performance Requirements:

(list any performance requirements associated with this change) [Identify system response requirements that must be met for user acceptance]

5.1 There should be no change in system performance due to this feature.

6. Dependencies

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 This will save the user time when investigating only one job. This will also reduce system processing time to retrieve and display the entire report.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:

	(check) Yes	(check) No
(is there a temporary work around?)		X

(describe work around in detail) **[Also identify this in OSPCM 'known problem' document]**

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 If this change is not implemented the user will continue to spend time going through the entire report instead of only one job.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 Job number is actually job name.

12.2 Job name must have information on the report.

12.3 When the user selects "ALL" from the dialog box then the entire report will be displayed or printed appropriately.

12.4 Only job names that existed when the last schedule run took place will be on the diagnostic report.

13. Document Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Scheduling user guides and help.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.) **REQUIRED** [Tester should prepare checklist based on these test scenarios for

15.1

- Go to the scheduling desk top
- Click on the print report button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter a valid job name for a job that should be on the report and click OK
- The report should print with only the information for the job

documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

name entered

15.2

- Go to the scheduling desk top
- Click on the print report button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Select "ALL" click OK
- The entire scheduling diagnostic report should print

15.3

- Go to the scheduling desk top
- Click on the print report button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter a valid job name for a job that should NOT be on the report
- A message should display saying that this job number is not on the scheduling diagnostic report.

15.4

- Go to the scheduling desk top
- Click on the print preview button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter a valid job name for a job that should be on the report and click OK
- The report should display with only the information for the job name entered

15.5

- Go to the scheduling desk top
- Click on the print preview button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Select "ALL" and click OK
- The entire scheduling diagnostic report should display.

15.6

- Go to the scheduling desk top
- Click on the print preview button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter a valid job name for a job that should **NOT** be on the report
- A message should display saying that this job is not on the scheduling diagnostic report.

15.7

- Go to job entry and change the name of a job that should be on the scheduling diagnostic report and save
- Go to the scheduling desk top
- Click on the print preview button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter the new job name for the job changed in job entry
- A message should display saying that this job is not on the scheduling diagnostic report
- NOTE: Only job names that existed when the last schedule

run took place will be on the diagnostic report

15.8

- Go to the scheduling desk top
- Click on the print button on the tool bar
- The report menu should display
- Select the scheduling diagnostic report
- A dialog box should be displayed
- Enter the new job name for the job changed in job entry
- A message should display saying that this job is not on the scheduling diagnostic report
- NOTE: Only job names that existed when the last schedule run took place will be on the diagnostic report

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 5/14/98

Lead Analyst: (on file) 5/14/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 7376B

</div>

BAE Start Date: December 8, 1997   **BAE Name:**   Carol A. Brechtel

BAE Comp. Date: February 24, 1998   **BAE Tele. No.:**   205-977-3611

BAE Hours: 2.5 hours   **LA Assigned:**

CMVC Component Name: MATMGMT

Associated Defect/Feature No.:   None

Target Release: **Target Release Date:**

(give target release this   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   Priority XX

'feature priority' list –

number preliminary

assigned by SME)

Revision No.: 7376B (B, C, etc. – this will require new signatures)

Reason for Revision: The Due Date should only default to blanks/nulls if the system generated due date is less than tomorrow or blank.

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Allow the user to change the Due Date on an order on the "Generate Order for Job XXX" main window.

1.2 Hide/Remove the Due Date on the Order Option Tab

1.3 Default the Due Date field to nulls/blanks if the system generated Due Date is less than or equal to tomorrow; otherwise use the calculated date.

1.4 Due Date field is a required field – require the user to populate the field before sending the order to OrderMaster.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 To change the Due Date on an order the user must select the Order Options Tab on the "Generate Order for Job XX" window and make the date change on the tab. The user would like the capability to change the Due Date on the main window.

2.2 The due date defaults to the date generated when the job was scheduled. If the date is blank the due date defaults to today + one day. The system should be enhanced to require the user to enter a due date if the system generated Due Date is less than or equal to tomorrow; otherwise use the calculated due date. If the system generated Due Date is greater than tomorrow populate the

Due Date field with that date.

2.3   The due date field should be a required field before the order can be sent to OrderMaster

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Require the user to enter the Due Date on the header of the "Generate Order for Job XX" window, this is a display only field now.

3.2 Remove the note next to the Due Date field on the main window.

3.3 Default the Due Date to nulls/blanks if the system generated Due Date is less than or equal to tomorrow; otherwise use the calculated due date.

3.4 Due Date field – required field before sending the order to OrderMaster.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Change the Due Date display field on the header section of the "Generate Order for Job XX" window, to a field that can be updated.

4.2 Remove the note next to the Due Date field on the main window.

4.3 Remove or hide the Due Date field on the Order Option Tab.

4.4 Default the Due Date field to nulls/blanks if the system generated Due Date field is less than or equal to tomorrow; otherwise use the calculated due date.

4.5 Due Date is required field before the Order can be sent to OrderMaster.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There should be no noticeable affect on performance.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed to this feature for securing budget approval]**

7.1 Allow the user to change the due date without going to the Order Option Tab – more user friendly.

7.2 Most users forget to select the order Option tab, therefore, the due date doesn't get changed. Order is sent as rushed when it really isn't a rush job.

8. Affected Components: (check) (check)

	Yes	No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		

9. Interfaces:

(list any legacy or new interface systems impacted by this change) [**Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding**]

9.1 NONE

Work-around: (check) (check)

	Yes	No
(is there a temporary work around?)	X	

(describe work around in detail) [**Also identify this in the OSPCM 'known problem' document**]

10.1 The user must select the Order Options Tab & change the due date before sending the order to OrderMaster.

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Order will be created with the wrong due date.

11.2 Creating rush orders when they really aren't rush.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, *****business rule*****)

12.1 Same rules that exist today when creating an order.

12.2 The user must enter a future day (due date must be greater than today)

13. Document Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13.1 Functional Decomps

13.2 Test Scenarios

13.3 Materials Management Business Solution(s)

13.4 Materials Management User Guide

13.5 Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

First Test:

15.1 Encode a job in Job Entry

15.2 Configure, price and firm the job

15.3 Select the job in Materials Management – "Needed Requirements for Job XX" window

15.4 Select one or more requirement and select the Create Order Toolbar button.

15.5 Change or enter the Order Due date on the "Generate Order for Job XX" main window.

Second Test:

Complete steps 15.1 to 15.4 a second time, select the send order to Order Master button, the system should generate an error message letting the user know that the Due Date is a required field.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 Fig. 10 is an exemplary screen print for OSPCM Material 0.97d.

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

Allow the user to change the Due Date on the header of the main window. Remove the note "To change the Due Date select the Order Option tab".

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 7380A

</div>

BAE Start Date:	December 10, 1997	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	December 18, 1997	**BAE Tele. No.:**	205-977-3611
BAE Hours:	2 Hours	**LA Assigned:**	Jeff Elder

CMVC Component Name: CORE_TABLES_LOC_EDIT

Associated Defect/Feature No.:   NONE

Target Release:

(give target release this
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from
'feature priority' list –
number preliminary
assigned by SME)

Revision No.: (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 The user should not be allowed to end date or delete an inventory site that has inventory assigned to it or that is used anywhere in OSPCM (example: inventory site is on an open order)

1.2 The user should not be allowed to end date or delete a wire center if it is being used somewhere else in OSPCM (configuration tables, encoded on open substeps on open jobs, etc.)

1.3 The user should not be allowed to end date or delete a CMC if inventory sites or wire centers are still associated with the CMC. Also, if the CMC is being used some where else in OCPCM (open complaints, open jobs, etc.) the user should not be allowed to end date or delete the CMC.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Today an inventory site can be end dated or deleted when inventory still resides at the locations. Enhance the system to not allow the user to end date or delete an inventory site with existing inventory, generate an error message letting the user know that inventory still exists at the location. Also if the inventory site is assigned to an open order the user should not be allowed to end date or delete the inventory site, system should generate error message.

2.2 Today a wire center can be end dated or deleted when open jobs exist for the wire center. Enhance the system to only allow the user to end

date or delete a wire center only if the wire center is not used on any open substep (jobs) within OSPCM. (Not only jobs but complaints, exhibit C of the contract, etc.) The system should generate an error message letting the user know that the wire center is being used in OSPCM.

2.3 Today a CMC can be deleted or end dated even if inventory sites or wire centers are associated to the CMC. The system should generate an error message letting the user know that they can not delete or end date the CMC until all inventory sites and wire centers have either been moved to another CMC, have been end dated or deleted.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 If inventory still exists at an inventory site or if the inventory site is associated with configuration tables or open orders the system should generate an error message letting the user know that the inventory site can not be end dated or deleted.

3.2 If a wire center is associated with an open job (all types), configuration table, valid contract, complaints, or inspection the system should generate an error message letting the user know that the wire center can not be end dated or deleted. Also if a wire center is not being used in OSPCM the system should generate a warning message to let the user know that they may need to update LMOS, since when a wire center is end dated or deleted it also effects the associated LMOS and OSPCM in sync.

3.3 If a CMC still has inventory sites or wire centers associated with it the system should generate an error message letting the user know that the CMC can not be end dated or deleted, because wire centers or inventory sties still exist for the CMC.

3.4 The inventory site is associated to the master contract as a supply center and can not be validated until moved to informix data base.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Add additional edits to the OSPCM Location Editor when the user attempted to delete or end date a CMC, wire center or inventory site. The edits should not allow locations of any type to be deleted or end dated if the locations are being used by any OSPCM executable. (job entry, configuration tables, job entry-other, materials management, etc.)

4.2 Make sure that hard deletes are only performed when there are no associated records.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There should be no noticeable affect on performance.

NOTE: Due to the number of tables to check there may be a performance problem, need to look at the best way to handle all edits without causing a performance problem.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed to this feature for securing budget approval]**

7.1 Existing inventory will not be available for the user if the inventory site is end dated or deleted.

7.2 Jobs that are encoded with the end dated or deleted wire center will not work properly.

7.3 If a CMC is end dated or deleted all location associated with it (inventory sites and wire centers) will not be good in OSPCM.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides		X
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

9. Interfaces

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:

	(check) Yes	(check) No
(is there a temporary work around?)		X

(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 OSPCM Data Bases may be out of sync.

11.2 Lost of data & inventory

11.3 We will have a very messed up system.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk is bold, ***business rule***)

12.1 Locations (CMC, Inventory Sites and Wire Centers) in OSPCM should not be end dated or deleted if they are being used by any execuin OSPCM. Examples: inventory still assigned to an inventory site, open order being shipped to the inventory site, wire centers that are encoded on open substeps (all jobs: EW, BSW, RW,

PWO, etc.), or that exist on a valid contract, CMC that are valid on open jobs or that still have inventory sites and wire centers associated with them.

13. Documentation Changes:

(list affected documents requiring change)

[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 Functional Decomps

13.2 Test Scenario

13.3 Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed.)

REQUIRED [Tester should

15.1 Open the Location Editor

15.2 Attempt to end date a CMC with associated inventory sites and/or wire centers.

15.3 Attempt to end date an inventory site that still has inventory assigned to the site.

15.4 Attempt to end date a wire center that is valid on an open

prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

substep/job.

15.5 Complete the above test again attempting to delete the CMC, inventory site and wire center.

15.6 Attempt to end date a location that has only historical records associated to it.

NOTE: Test both future day and current end dates.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 NONE

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7420A

BAE Start Date:	05/13/1998	**BAE Name:**	Gail Deaton
BAE Comp. Date:	05/13/1998	**BAE Tele. No.:**	977-3615
BAE Hours:	4	**LA Assigned:**	

CMVC Component Name: Je_ewo

Associated Defect/Feature No.:   6424

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.15	(give target release date for this enhancement)	8/98

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low)   Production_hi

Revision No.:

Reason for Revision:

General:

(General Information –
nothing is to be typed here,
this is for information only
about the functional spec
process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Add an OSPCM generated report for Contract-Move errors generated by the Contract Move process in F6424

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 No mechanized report exists to notify the user of errors that were generated during the Contract Move process. Currently a programmer receives the errors, reformats into a Word document and then e-mails to the user that requested the move.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Create a mechanized report for the errors generated from the batch Contract Move process. Create an ICON on the Contract Move screen to access Contract Move Results.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Create a mechanized report for the errors generated from the batch Contract Move process. Create an ICON on the Contract Move screen to access Contract Move Results. Display a list of contract moves for the user to select from. [from MTN512 to MTN598 process date 05/11/1998] Have the user select from a list by double clicking. See attachment for report layout.

5. Performance Requirements:

List any performance   5.1 Performance should not be affected.
requirements associated
with this change) **[Identify
system response
requirements that must be
met for user acceptance]**

6. Dependencies:

(list any defects or features   6.1 Completion of F6424
that this enhancement is
dependent on or that will be
dependent on this feature)

7. Benefits:

(provide benefits in dollars,   7.1 Takes the programmer out of the loop in the Contract Move
reduced headcount, time   process which will result in a time and dollar savings. Also
savings, etc. for doing this   gives any user in the CMC the ability to pull and view the
work) **[This is required to**   Contract Move Results.
**identify any savings that
can be attributed to this
feature for securing budget
approval]**

8. Affected Components:	**(check)**	**(check)**
	Yes	**No**
RTOC Instructions		
HELP		
User Guides	X	
Testing		

Infra-structure
Management Reports
Database

9. Interfaces

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

10. Work-around:	**(check)**	**(check)**
	Yes	**No**
(is there a temporary work around?)	**X**	
(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**	10.1 Continue to have a programmer check the servers each night for a batch Contract Move and then generate the error reports, reformat the report into a Word document and email to the user who requested the move.	

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Loss of experienced programmer to perform this process and field user acceptability of the Contract Move process.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 User Guides and On-Line Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed.)
REQUIRED **[Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]**

15.1 Run a Contract Move process.

Go to JE-EWO and to the Move Contract icon.

Verify that an icon exists for Contract Move Results.

Request report

Print report

Verify that the report contains all fields specified.

Verify that the report data is formatted correctly.

Verify that the data generated is correct.

Verify that all data is generated from the Move process.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change- only identify if the customer requires the screen or something on the screen to look a certain way)

16.1 Report layout

Signatures of Agreement:

(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

BAE Start Date:	05/13/1998	**BAE Name:**	Gail Deaton
BAE Comp. Date:	06/05/1998	**BAE Tele. No.:**	977-3615
BAE Hours:	6	**LA Assigned:**	

CMVC Component Name: je_ewo

Associated Defect/Feature No.:   6424

Target Release: **Target Release Date:**

(give target release this   2.15   (give target release date for   8/98
needs to be in) **[Only**   this enhancement, if required)
identify if this is required
for an emergency release
or must be worked in next
scheduled release]

Priority:

(provide priority from   production_hi
'feature priority' list –
number preliminary
assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Add an OSPCM generated report for Contract-Move errors generated by the Contract Move process in F6424.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Feature 6424 provides an email of the errors for each job that failed preconfiguration and configuration. Using this method, the user who requests the Contract Move could be deluged with individual job error messages. In addition, if the user who requests the move does not have an established email address, the errors are not sent.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Create a mechanized report for the errors generated from the batch Contract Move process. Create an ICON on the Contract Move screen to access Contract Move Results.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Create a mechanized report for the errors generated from the batch Contract Move process.

4.1.1 Create an ICON on the Contract Move screen to access Contract Move Results.

4.1.2 Display a list of contract moves for the user to select from [from MTN512 to MTN598 process

date 05/11/1998]

4.1.3 Have the user select from a list by double clicking

4.1.4 Positive reporting should be indicated for each successful run.

4.1.5 Store results for each run and then purge after 30 days.

4.1.6 For jobs that fail to process, update the batch processing run date to the next day.

4.1.7 Eliminate the emailing of errors established by Feature 6424.

See attachment for report layout.

5.   Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 Performance should not be affected.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 Completion of F6424

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed to this feature for securing budget approval]**

7.1 Gives any user in the CMC the ability to pull and view the Contract Move Results. Eliminates emailing of errors.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database	X	

9. Interfaces

(list any legacy or new
interface systems impacted
by this change) **[Make sure
other interface systems are
aware of and agree with
any requirement change
that impacts them before
proceeding]**

9.1 NONE

10. Work-around:

(is there a temporary work
around?)

(describe work around in
detail) **[Also identify this in
the OSPCM 'known
problem' document]**

	(check) Yes	(check) No
	X	

10.1 Email process of
notification will continue.

11. Risks:

(list factors that impact,
positive/negative, not doing
this change)

11.1 If no email address exists for the cuid requesting the
Move, no error messages can be retrieved. Only the
person who requests the Move has access to the errors.
Possibility of a deluge of emails.

12. Business Rules:

(list any business rules or   12.1 NONE

constraints that should apply.

If business rules are included

in the changes section, identify

these with asterisk is bold,

business rule)

13. Documentation Changes:

(list affected documents   13.1 User Guides and On-Line Help

requiring change)

[Documentation should

prepare a checklist covering

each document that must be

updated for this feature]

14. Special Training/Implementation Requirements:

(list any special   14.1 Release Notes

training/implementation   Issue RL to detail the Contract move process.

required for this feature.

Identify what will be required

to train and implement this

feature to the customer, i.e., by

documentation, e-mail, cue

cards, on sight training, etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed) **<u>REQUIRED</u>** **[Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be matrix from identified back to the numbering scheme used in these test scenarios]**

15.1 Setup test data to ensure that some jobs fail. (See Gail Deaton)

Run a Contract Move process.

Go to JE-EWO and to the Move Contract icon.

Verify that a icon exists for Contract Move Results.

Request report.

Print repot.

Verify that the report contains all fields specified.

Verify that the report data is formatted correctly.

Verify that the data generated is correct.

Verify that all data is generated from the Move process.

Verify that the report contains preconfiguration and configuration errors.

For jobs that fail Move verify that the batch date changes.

Verify that no email messages are sent for errors.

Correct errors for jobs that failed.

Rerun batch process.

Verify that a positive report is generated with no jobs in error.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way.)

16.1 Report layout

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 6/9/98

Lead Analyst: (on file) 6/9/98

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7182a

BAE Start Date:	04/13/1998	**BAE Name:**	Mark Seal
BAE Comp. Date:	04/15/1998	**BAE Tele. No.:**	205-977-3618
BAE Hours:	4	**LA Assigned:**	

CMVC Component Name: Scheduling

Associated Defect/Feature No.:

Target Release:

(give target release this   2.13
needs to be in) **[Only
identify if this is required
for an emergency release
or must be worked in next
scheduled release]**

Target Release Date:

(give target release date for
this enhancement, if required)

Priority:

(provide priority from   104
'feature priority' list –
number preliminary
assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Allow the user to request, view and print the scheduling 210 report by wire center, CST/MPT number or Res ID.

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the user must request the entire report which can be very large and time consuming to view and print.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Add a dialog box so the user can specify how the report is to be retrieved.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 When the user selects the 210 from the print or print preview option on the scheduling screen, the system will display a dialog box. The user can select in this dialog box only one of the following options; ALL, RES ID, CST/MPT#, WIRE CENTER.

4.2 When the user selects ALL and clicks OK then the entire report is retrieved.

4.3 When the user selects the RES ID option then the system will require that the user enter a valid

RES ID for the CMC. Only jobs that have activities that are assigned to the RES ID will be retrieved and placed on the report.

4.4 When the user selects CST/MPT# option then the system will require that the user enter a valid CST/MPT# for the CMC. Only jobs assigned to the CST/MPT# entered will be retrieved and placed on the report.

4.5 When the user selects WIRE CENTER option then the system will require that the user enter a valid WIRE CENTER for the CMC. Only jobs assigned to the WIRE CENTER entered will be retrieved and placed on the report.

4.6 In all cases the wire center will be the first sort and then the job name will be listed in numerical order.

4.7 Only one option will be allowed when selecting "ALL or RES ID or CST/MPT# or wire center.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 Since this is a batch report there may be some processing time added for this change.

5.2 On line performance should not be affected by this change.

6. Dependencies:

(list any defects or features   6.1 NONE

that this enhancement is

dependent on or that will be

dependent on this feature)

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) [This is required to identify any savings that can be attributed to this feature for securing budget approval]

7.1 This will allow the user to select a report with less information. Printing the report will save time if there is less data on the report.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

9. Interfaces

(list any legacy or new
interface systems impacted
by this change) [**Make sure
other interface systems are
aware of and agree with
any requirement change
that impacts them before
proceeding**]

9.1 NONE

10. Work-around:

(is there a temporary work
around?)

(describe work around in
detail) [**Also identify this in
the OSPCM 'known
problem' document**]

	(check) Yes	(check) No
		X

10.1 Currently the user must
request the entire report.

11. Risks:

(list factors that impact,
positive/negative, not doing
this change)

11.1 This is a very high user priority. This report will be used
        for scheduling purposes which are already a time
        consuming effort.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk is bold, ***business rule***)

12.1 Valid data for the CMC must be entered when selecting RES ID or CST/MPT# or WIRE CENTER. The user should be allowed to select only one option at a time.

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 Scheduling user guides and help screens.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is completed)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be matrix from identified back to the numbering scheme used in these test scenarios]

15.1

- OPEN the scheduling module for a valid CMC.
- Click on the print button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select ALL and click OK
- Verify that the entire 210 report is printed.

15.2

- OPEN the scheduling module for a valid CMC.
- Click on the print button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select RES ID and enter a valid RES ID for the CMC and click OK.
- Verify that the 210 report is printed with only jobs that contain the res id entered.

15.3

- OPEN the scheduling module for a valid CMC.

- Click on the print button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
- ALL
- RES ID
- CST/MPT#
- WIRE CENTER
- Select CST/MPT# and enter a valid CST/MPT# for the CMC and click OK.
- Verify that the 210 report is printed with only jobs that are assigned to the CST/MPT# entered.

15.4

- OPEN the scheduling module for a valid CMC.
- Click on the print button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
    - ALL
    - RES ID
    - CST/MPT#
    - WIRE CENTER
- Select WIRE CENTER and enter a valid WIRE CENTER for the CMC and click OK.
- Verify that the 210 report is printed with only jobs that are assigned to the WIRE CENTER entered.

15.5

- Verify that only one option can be selected.
- Verify that the system will not allow entering invalid RES ID's, CST/MPT#'s and WIRE CENTERS.

15.6

- OPEN the scheduling module for a valid CMC.
- Click on the print preview button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select ALL and click OK
- Verify that the entire 210 report is displayed.

15.7

- OPEN the scheduling module for a valid CMC.
- Click on the print preview button on the tool bar and a list of reports is displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select RES ID and enter a valid RES ID for the CMC and click OK.
- Verify that the 210 report is displayed with only jobs that contain the res id entered.

15.8

- OPEN the scheduling module for a valid CMC.
- Click on the print preview button on the tool bar and a list of reports is displayed.

- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select CST/MPT# and enter a valid CST/MPT# for the CMC and click OK.
- Verify that the 210 report is displayed with only jobs that are assigned to the CST/MPT# entered.

15.9

- OPEN the scheduling module for a valid CMC.
- Click on the print preview button on the tool bar and a list of reports are displayed.
- Select the 210 scheduling report.
- A dialog box will open with the following options.
  - ALL
  - RES ID
  - CST/MPT#
  - WIRE CENTER
- Select WIRE CENTER and enter a valid WIRE CENTER for the CMC and click OK.
- Verify that the 210 report is displayed with only jobs that are assigned to the WIRE CENTER entered.

15.10

- Verify that only one option can be selected.
- Verify that the system will not allow entering invalid RES ID's, CST/MPT#'s and WIRE CENTERS.

16. Attachments:

(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 7011B

</div>

BAE Start Date:	04/17/1998	**BAE Name:**	Gail Deaton
BAE Comp. Date:	04/23/1998	**BAE Tele. No.:**	977-3615
BAE Hours:	5	**LA Assigned:**	

CMVC Component Name: je_ewo

Associated Defect/Feature No.:

Target Release:		**Target Release Date:**	
(give target release this needs to be in) **[Only identify if this is required for an emergency release or must be worked in next scheduled release]**	2.14	(give target release date for this enhancement, if required)	6/1998

Priority:

(provide priority from 'feature priority' list – number preliminary assigned by SME)	Hi

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision: Walk thru updates and change target release

General:

(General Information – nothing is to be typed here, this is for information only about the functional spec process)

1. The purpose of this document is to provide the customer's view of the <u>functionality</u> that needs to be changed or added to the existing OSPCM product. It is not the detail design requirements. It should concentrate on the 'what' that is needed and not on the 'how' it is provided.

2. All features that are > 40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature with the testing team lead, documentation team lead and the IT development Managers. The IT develop managers will assign the appropriate representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date and participants.

5. Continue numbering scheme in your text input under each to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition) – This should pretty closely match the abstract in CMVC.

1.1 Add "Ex Geoloc" to Splicing and Other screens

2. Current Problem:

(brief description of what system currently does, what needs to be changed, and why)

2.1 The "Ex Geoloc" cannot be entered on the Splicing and the Other screens. This forces the outside craft to type in the "Ex Geoloc" when reporting in Work Station.

3. Proposed Solution:

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

3.1 Add the "Ex Geoloc" field to the Splicing and Other screens.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 Add the "Ex Geoloc" field to the Splicing and Other screens. The field should be located in the substep grid after the "Wire Center" for each screen. The format and edits that apply for "Ex Geoloc" for the Placing and Removal screen should be applied.

4.2 The Ex Geoloc needs to be populated for Splicing and Other substeps (that require the Ex Geoloc based on the edits referred to in 4.1) in the

MTR extract. This may or may not require a
change to Work Station.

5. Performance Requirements:

(list any performance requirements associated with this change) [Identify system response requirements that must be met for user acceptance]

5.1 Performance should not be affected.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed to this feature for securing budge approval]**

7.1 Accuracy of reporting the Ex Geoloc and a saving in craft labor by having the Ex Geoloc prepopulated for the substep.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

9. Interfaces

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 NONE

10. Work-around:

	(check) Yes	(check) No
(is there a temporary work around?)	X	

(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**

10.1 Have the craft continue to type in the Ex Geoloc for splicing and other work.

11. Risks:

(list factors that impact, positive/negative, not doing this change)

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk is bold, ***business rule***)

12.1 Ex Geoloc is required for digital loop carrier materials and labor. Digital loop carrier materials and labor are identified for the substep by the FRC of the substep. OSPCM reads the area required indicator for the substep FRC in the FRC table. If the indicator is Y then an EX Geoloc is required.

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 User Guides
On-line Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, cue cards, on sight training, etc.)

14.1 NONE

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme used in these test scenarios]

15.1

- Enter a substep with a 257C "FRC" on the splicing screen.
    - Do not populate the "Ex Geoloc" field and save
        - Error should be returned requiring an entry in the "Ex Geoloc" field.
    - Populate the "Ex Geoloc" field with a geoloc of a wire center.
        - Verify that a message returns that the entry is invalid
    - Populate the "Ex Geoloc" field with a valid entry
        - Verify that the substep can be saved
- Configure, price and firm the job
- Go to workstation
    - Pull up the job and the substep
    - Report 1 hour to the substep and complete
    - Verify that Work Station does not ask user to enter an EX Geoloc when reporting on substep.

- Verify that the Ex Geoloc is in the MTR extract
- Repeat above for an "ESTS" work action and 257C FRC on the Other screen
- Enter an "ESTS" work action on the Other screen. Encode with an FRC of "45C". Validate that no Ex Geoloc is required.

16. Attachments:
(copies of screens, reports, etc. before and after proposed change-only identify if the customer requires the screen or something on the screen to look a certain way)

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

<div align="right">

Table # 6507A

</div>

BAE Start Date:	June 5, 1997	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	June 6, 1997	**BAE Tele. No.:**	205-977-3611
BAE Hours:	2.5 Hours	**LA Assigned:**	

CMVC Component Name: MATMGMT

Associated Defect/Feature No.:   6507

Target Release: **Target Release Date:**

(give target release this   2.05   (give target release date for   10/6/97

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from   production_hi

'feature priority' list –

number preliminary

assigned by SME)

Revision No.: (B, C, etc. – this will require new signatures)

Reason for Revision:

Subject:

(brief description of change)   1. Allow the user to deselect the custom feature "pulling eye".

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Custom Feature of outside pulling eye is automatically assigned to a substep when:

* placing fiber cable in the underground environment

* placing copper cable that is assigned a Subcategory of PULP or DUCT PIC in the Material Item Table

2. Enhance the system to allow the user to deselect the custom feature in the Materials Management executable.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. Allow the user to deselect a system generated pulling eye custom feature. In Materials the change is needed on the Custom Feature window when it is displayed from the "Needed Requirements for Job XXX" window.

Change(s):

(detailed description of   1. Materials – from the Needed Requirements for

change) – [add additional rows if multiple changes]

Job XX window, the user can display the existing "Pulling Eye" custom feature or add a new custom feature. The user should also be able to deselect any existing "Pulling Eye" custom feature passed from Job Entry.

Performance Requirements:

(list any performance requirements associated with this change)

1. There should be no noticeable affect on performance.

Dependencies:

(list any defects or features that this enhancement is dependent on)

NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1. Allow the user to order fiber cable to be placed in the underground environment without a pulling eye.
2. Allow the user to order copper cable with material subcategories of either PULP or DUCT PIC without a pulling eyes.
3. Reduce cost by not ordering custom features that are not required.

Affected Components:	**(check)**	**(check)**
	Yes	**No**
RTOC Instructions		X
HELP	X	

User Guides		X
Testing	X	
Infra-structure		X
Management Reports		X
Database		X

Interfaces:

(list any legacy or new interface systems impacted by this change)   NONE

Work-around:	(check)	(check)
	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

1. Cable may be ordered with custom features that are not required to do the job, we pay for something we don't need and can't use.

Business Rules:

(list any business rules or constraints that should apply)

1. Allow the user to deselect system generated "Pulling Eye" custom features.

Documentation Changes:

(list affected documents requiring change)

1. Test Scenario
2. Functional Decomps

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed)

REQUIRED

1. Encode a job with at least two substeps
   *one placing fiber cable in the underground environment
   *place copper cable that is in the PULP or DUCT PIC material Subcategory (Material Item Table)
2. configure and firm the job
3. Exit Job Entry
4. From the Show a Job's Needed Requirement window, display the job
5. From the Needed Requirements for Job XX window display the custom feature window and deselect the pulling eye custom feature, both substeps.
6. Select OK and close the custom feature window
7. Generate an order for both substeps
8. Verify that both items do not have custom features

Attachments:

(Screen shots are attached))

1. Fig. 11 is an exemplary screen print for Custom Features from the Materials Management executable.

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 6844B

BAE Start Date: 08/01/1997   **BAE Name:**   L. Edgar

BAE Comp. Date: 09/10/1997   **BAE Tele. No.:**   205-977-7375

BAE Hours: 42   **LA Assigned:**

CMVC Component Name: Change_mgmt

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this   (give target release date for

needs to be in) **[Only**   this enhancement, if required)

identify if this is required

for an emergency release

or must be worked in next

scheduled release]

Priority:

(provide priority from

'feature priority' list –

number preliminary

assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information)

1. All features that are >40 hours/1 business area require a structured inspection walk through process (currently using FAGAN). This is to be scheduled by the responsible SME for this feature.
2. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.
3. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

1. Subject:

(brief description of change)

1. Provide methods to route a Complaint to the Contractor responsible for problem
2. Document and track dates, e.g., "Date Sent to Contractor" and "Date Returned from Contractor" Fields to be added to Complaint presentation.

2. Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently there is no OSPCM method to directly send a Complaint to the Contractor perceived to be at fault, no are specific date fields available to enter a date sent to or received from a contractor. Also, user cannot directly switch to JE or JE-O to review an associated job which may be

related to the Complaint. These capabilities are needed to avoid printing and faxing of info and to allow quick review of an associated Job. The dates are desired by Managers to review responsiveness of a contractor to Complaints. The data can be used for a Management Report to indicate status of Complaints.

3. Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. Provide Contractor access by addition of Complaints Icon to the Contractor allowed applications. Requires security code changes.

2. Telco District office will enter Complaints (may be at a distant location) and needs a revised form to first assign to a ResID who later will assign to a Contractor. Add fields to the Complaint presentation that allows user to select the contractor and enter "date sent to contractor". This could be default to "today" with overwrite capability. These fields would need to be added to database. These dates could then be used to report against in Mgmt. Reports.

3. Provide new form in Complaints for a Contractor to open and review. Then use to accept, reject and close the Complaint. Add "date for contractor return" for tracking.

4. Telco may need new form or revised "open list " form to review status daily. New field of "status" necessary.

4. Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1. Add drop down with valid contractors by CMC and the selected nickname will be assigned to contractor.

2. Add date fields entry capability on Complaint.

3. Make ResID field required (Verify closing ability)

4. Add new fields to the database.

5. Make ResID field a dropdown list for CMC-default to logon but allow change.

6. Add Complaint Icon to Contractor menu with associated security addition and WinDDS download.

7. Allow a contractor to close or return a Complaint.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

1. None apparent

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be

1. Verify that any IC type of contractor nickname is included in CMC dropdown listing.

dependent on this feature)

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[this is required to identify any savings that can be attributed to this feature for securing budget approval]**

1. Simplify work process for users.
2. Better control of contractor administration by assignment to responsible contractor.
3. Manager time saving by avoidance of manual read of Complaints or assuming dates sent to or received from contractor.

8. Affected Components:

	(check) Yes	(check) No
RTOC Instructions		X
HELP	X	
User Guides	X	
Testing	X	
Infra-structure	X	
Management Reports		X
Database	X	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

NONE

10. Work-around	(check) Yes	(check) No
(is there a temporary work around?)	X	

(describe work around in detail) **[Also identify this in the OSPCM 'known problem' document]**

1. User may use the existing Mgmt. Report "Open Complaints" which gives the date opened and age of Complaint. It has an option to select by ResID.
2. It would be necessary to then open the actual Complaint and look for the date sent to contractor in the Complaint text. This would have to be mandatory by local M&P.
3. Send copy of Complaint by Fax to contractor.

11. Risks:

(list factors that impact, positive/negative, not doing this change)

1. User dissatisfaction
2. Work content not reduced
3. Contractor responsiveness to customers not easily measured
4. Status of Complaint difficult to determine.

12. Business Rules:

(list any business rules or constraints that should apply)

1. Make ResID a required field.
2. Allow contractor access only to own data.
3. M&P to cover local arbitration of disagreements
4. Contractor responsible for Subcontractor (M&P)
5. Contractor allowed to close a Complaint

13. Document Changes:

(list affected documents
requiring change)
[Documentation should prepare
a checklist covering each
document that must be updated
for this feature]

1. Complaint User Guide
2. Help information

14. Special Training Requirements:

(list any special training required for this feature, i.e., documentation, e-mail, help, cue cards, on sight, etc.)

1. Update User Guides and Help to reflect

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance. This can be updated after the detailed design is completed.)

REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix form identified back to the numbering scheme use din these test scenarios]

1. Create a Complaint and assign to a ResID. Save and Close.
2. ResID opens Complaints and searches by ResID for open list.
3. Selects, reviews and determines responsible contractor – makes notes in text field.
4. Assigns to a contractor (by contract # and nickname) in a dropdown for CMC.
5. Verify/enter Date Assigned field (default today)
6. Contractor opens new form "Complaints Assigned" that provides search
7. Contractor selects (receive data populates) Complaint for review.
8. Contractor review (in field or office) and decides to accept and fix as written by ResID in test field.
9. Click field or check boxes to indicate "status" such as accept, reject, and close.
10. Contractor performs work, makes notes in text field, selects check box, and enters closed date. Saves.
11. Telco opens Complaints and "returned list" (new form) Search for Complaint and opens to review status and notes and closure.
12. Telco satisfied with status and saves.
13. *Note: Steps #1 thru #12 reflect the normal flow. Other*

decisions follow and use the normal as a guide.

14. In step #2, ResID decides that item belongs to another Supervisor so either refers back to District office with text notes or "reassigns" to correct ResID.

15. Original Telco/ResID enters correct ID in ResID field, text info and saves.

16. Now return to Step #2 and follow thru to #12 for the reassigned ResID.

17. *Next scenario* performs Step #1 thru #7 and then in step #8 contractor does not agree to fix or feels it belongs to another (e.g., CATV)

18. Contractor checks "reject" as in #9 and probably calls Telco/ResID to discuss offline.

19. Verify that steps #11 and #12 occur correctly, then assume an agreement with text notes (need a form of date tracking for such cases)

20. Return to step #8 for acceptance and on thru #12

21. *Next case* uses step #1 thru #7 and then #18 thru #20 and now Telco/ResID agrees that item needs to go to different contractor (e.g., BSW versus MM) or could be non Telco work (CATV0 and need to notify complainer.

22. Enter new "assignment", make text notes and Save.

23. Possible that #21 will also require closing of time-enter date and save.

24. Dates and status should be verified in the dB.

25. When available, Management Report should be verified.

26. *Next scenario* adds a related job as in existing Complaints module.

27. Perform steps #1 thru #12 but at step #3 see the Complaints User Guide and relate a Job to the item. Verify that related info follows thru process.

Exh. 2 – Page 277

28. Review info as needed then Cancel or Exit to return to Guide.

16. Implementation:

(Identify if there is any special implementation issues that need to be addressed, i.e., field deployment; etc.)

1. Local agreements is needed as to arbitration methods for returned/rejected Complaints
2. Train District Complaint taker, ResIDs and contractor in new methods

17. Attachments:

Screens for the following are shown in Figs. 12-16.

(copies of screens, reports, etc. before and after proposed change)

1. First Open (Note: Will print attached, Placeholders On)
2. Open by ResID
3. Search results
4. Contractor complete
5. Close by ResID

Signatures of Agreement:
(add additional rows if necessary)
BAE: L. Edgar

Lead Analyst: M. Eike

Fig. 12 is an exemplary screen print for opening a New Complaint in OSPCM.

Fig. 13 is an exemplary screen print for Open Complaint, which the Supervisor [ResID] can log on and open Complaints.

-displays above search form

-situation is daily view so would used ResID? Can this populate based on logon?

-could we adapt to also use for contractor with some fields inactive?

Fig. 14 is an exemplary screen print for Search Results.

After ResID opens Complaint and does search based on address

Decides to relate BSW job to Complaint-may be wrong-visit will help

Fig. 15 is an exemplary screen print for Complaint on a Job. Fig. 16 is an exemplary flow chart from creating a complaint to satisfying the complaint

Notes for Fig. 16:

(1) toggle may be an Icon or other method to allow ResID to switch to JE or JE-O for job review & return.

(2) OPAC is used as creator but may be a District Office or other.

(3) Auto Date refers to a default or auto populated date.

(4) Dialog implies tel conversations or such to locally resolve rejection-text will help.

BAE FUNCTIONAL REQUIREMENT DOCUMENT

Table # 7000C

BAE Start Date: 03/04/1998   **BAE Name:**   Gail Deaton

BAE Comp. Date: 03/25/1998   **BAE Tele. No.:**(205) 977-3615

BAE Hours: 4   **LA Assigned:**

CMVC Component Name: je_ewo

Associated Defect/Feature No.:

Target Release: **Target Release Date:**

(give target release this needs   2.12   (give target release   06/98
to be in) **[Only identify if this**   date for this
is required for an emergency   enhancement, if
release or must be worked in   required)
next scheduled release]

Priority:

(provide priority from 'feature   hi
priority' list – number
preliminary assigned by SME)

Revision No.:   C   (B, C, etc. – this will require new signatures)
Reason for Revision: Add comments and corrections identified in walkthru on 3/24

General:

(General Information – nothing   1.   The purpose of this document is to provide the customer's view
is to be typed here, this is for   of the <u>functionality</u> that needs to be changed or added to the existing
information only about the   OSPCM product. It is not the detail design requirements. It should
functional spec process.)   concentrate of 'what' is needed and not on the 'how' it is provided.

                                2.   All features that are >40 hours/1 business area require a
                                structured inspection walk through process (currently using FAGAN).
                                This is to be scheduled by the responsible SME for this feature with the
                                testing team lead, documentation team lead and the IT development
                                Managers. The IT development Managers will assign the appropriate

representatives to attend the meeting. These inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3.   The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4.   Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

5.   Continue numbering scheme in your text input under each table to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition
- This should pretty closely match the abstract in CMVC.

1.1   Order quantity for stub should always be "1". Do not allow user to change.

2. Current Problem

(brief description of what system currently does, what needs to be changed and why)

2.1   Field users are entering the footage of the stub. These stubs come already in pre-determined footages as described in the material description. When the user enters the footage of the stub in the order quantity, then that quantity of stubs are ordered.

3. Proposed Solution:

(brief description of what the system will or should do an any general constraints or conditions that limit the solution)

3.1   The field is prepopulated with the order quantity for stubs to "1". Do not allow any changes to the prepopulated data.

4. Change/Addition(s):

(detailed description of change/addition)

4.1   On the Placing screen in je_ewo, the order quantity for stub is defaulted to "1".

Do not allow the user to change the prepopulated "1" in the order quantity field for the material category of **CABLE-STUB** and the material subcatagory of **STUB**.

5. Performance Requirements:

(list any performance requirements associated with this change)

[Identify system response requirements that must be met for user acceptance]

5.1   Performance should not be affected.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1   Save the field users from ordering and receiving large quantities of cable stubs from the factory and then having to process the returns.

8. Affected Components:

	(Check)	(Check)
	Yes	**No**

RTOC Instructions

HELP   x

User Guides

Testing   x

Infra-structure

Management Reports

Database

9. Interfaces:

(list any legacy or new   9.1

interface systems impacted by

this change) **[Make sure other**

interface systems are aware

of and agree with any

requirement change that

impacts them before

proceeding]

	(Check)	(Check)
10. Work-around:	**Yes**	**No**
(is there a temporary work around?)		X
(describe work around in detail)	10.1	
[Also identify this in the OSPCM 'known problem' document]		

11. Risks:

(list factors that impact,   11.1   Continue to allow field users to order and pay for huge

positive/negative, not doing   quantities of cable stubs.

this change)

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1   Job Entry EWO on the Placing screen...Any substep entered with the material category of CABLE-STUB and the subcategory of STUB should always default to "1" in the Order Quantity field. The user should not be able to change this default.

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1   Change On-Line Help to indicate that the Order Quantity field for the material category of CABLE-STUB and the subcategory of STUB cannot be changed by the user.

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14.1   Send out OSPCM Product Bulletin

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is complemented.) **<u>REQUIRED</u>**

15.1   Enter a cable stub in the "A" environment. Verify that the Order Quantity field is prepopulated with a "1". Save the substep, configure and price. Firm the price. Go to materials management and verify that the cable stub is in the "N" status on the requirements screen.
           Repeat the above for "B" "U" "H" environments.

[Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix from identified back to the numbering scheme use in these test scenarios]

Enter a stub substep and try to blank out the prepopulated quantity of "1". The system should not allow this.

Enter a stub substep and try to overtype the prepopulated quantity of "1" with a "0". The system should not allow this.

17. Attachments:

(copies of screens, reports, etc.   16.1
before and after proposed
change – only identify if the
customer requires the screen or
something on the screen to
look a certain way)

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL DOCUMENT

Table # 7002B

BAE Start Date:	09/09/1997	**BAE Name:**	**Gail Deaton**
BAE Comp. Date:	05/21/1998	**BAE Tele. No.:**977-3615	
BAE Hours:	20	**LA Assigned:**	
CMVC Component Name:		je_ewo	
Associated Defect/Feature No.:			

Target Release		**Target Release Date:**
(give target release this	2.15	(give target release date
needs to be in) **[only**		for this enhancement, if
identify if this is		required

**required for an
emergency release or
must be worked in
next scheduled release]**

Priority:

(provide priority from 'feature   Production_hi
priority' list – number
preliminary assigned by SME)

Revision No.:   B   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General information – nothing   1.   The purpose of this document is to provide the customer's view
to be typed here, this is for of the <u>functionality</u> that needs to be changed or added to the existing
information only about the OSPCM product. It is not the detail design requirements. It should
functional spec process) concentrate of 'what' is needed and not on the 'how' it is provided.

2.   All features that are >40 hours/1 business area require a
structured inspection walk through process (currently using FAGAN).
This is to be scheduled by the responsible SME for this feature with the
testing team lead, documentation team lead and the IT development
Managers. The IT development Managers will assign the appropriate
representatives to attend the meeting. These inspections are not to
inspect the author, they are to be used to understand the functionality
required for development of the 'Detail Design Document'.

3.   The 'Analysis Phase Specific' checklist must be used,
documented and baselined for each feature.

4.   Any correspondence associated with this feature should also be
documented (i.e., impromptu meetings, phone conversations, etc.) and
associated with the feature number. It should include time, date, and
participants.

5.   Continue numbering scheme in your text input under each table
to provide traceability for matrixes.

1. Abstract:

(brief description of
change/addition
- This should pretty closely
match the abstract in CMVC.

Reopen or close jobs

Create a new process and screen for EWO and PWO type jobs that will allow the user to reopen a job after auto close. Create a new process and screens for EWO and PWO type jobs that will allow the user to close a job manually before the auto close process.

2. Current Problem:

(brief description of what
systems currently does, what
needs to be changed, and why)

Reopen or close jobs

Create there is not a process that will allow the user to reopen a EWO or PWO after that job has been auto closed. A new process and new screens need to be created to allow the user to reopen a closed EWO or PWO.

Currently there is not a process that will allow the user to close a EWO or PWO before the auto close process. A new process and new screens need to be created to allow the user to close a EWO or PWO before the auto close process.

3. Proposed Solution:

(brief description of what the
system will or should do an
any general constraints or
conditions that limit the
solution)

Reopen or close jobs

Create new REOPEN JOB menu, toolbar and screens that will allow the user to reopen a closed job.

Create new CLOSE JOB menu, toolbar and screens that will allow the user to close a job.

Need to capture the previous and last CUIDs (or last 2 instances) of who reopened and closed jobs.

4. Change/Addition(s):

(detailed description of

4.   Reopen or close jobs

change/addition)

4.1   Create a new icon (REOPEN JOB) and place on the je_ewo tool bar. Icon should always to active.

This icon should allow the user to access a new screen to reopen a closed EWO or PWO.

4.1.1   The new screen labeled REOPEN JOB should contain:

4.1.1.1   State

4.1.1.2   CMC

4.1.1.3   Job Name field

4.1.1.4   There should also be a grid labeled Job Name which will contain a drop down of closed jobs when search is selected.

4.1.1.5   The user will enter or select the job name desired.

4.1.1.6   EMU should be generated if the job number entered is not a closed job.

4.1.1.7   EMU should be generated if job is invalid for state.

4.1.2   Once entered OSPCM should display a new screen with the following prepopulated information:

4.1.2.1   Job Name

4.1.2.2   State

4.1.2.3   CMC

4.1.2.4   The "end-date" of the job

4.1.2.5   The "closed" date of the job.

4.1.2.6   The user should be given two options to reopen the job:

4.1.2.6.1   Reopen the job and reset end date to today's date. This option will start the auto close counter and close the job based on the

auto close default in the OPF table for this CMC.

4.1.2.6.2   Reopen the job and leave open. This option will leave the job open until it is manually closed by the user. To do this set the Progressive Job Indicator to "Y".

4.2   Close job

    4.2.1   Create a new icon (CLOSE JOB) and place on the main je_ewo tool bar. Icon should always be active. This icon should allow the user to access a new screen to Close a EWO or PWO.

    4.2.2   Create a new screen and label CLOSE JOB. Screen should contain:

        4.2.2.1 State

        4.2.2.2 CMC

        4.2.2.3 Job Name

        4.2.2.4 Job Name grid. This grid should contain a drop down of all open job when Search is selected.

        4.2.2.5 The user will enter or select the job number desired.

        4.2.2.6 EMU should be issued if the job number entered is already closed.

        4.2.2.7 EMU should be generated if job is invalid in State.

    4.2.3   Once entered OSPCM should query and display the following job information on a new screen.

        4.2.3.1. If there are substeps open on the job, List the Work ID, Print, Step, WE and WA for

all substeps and the Material Description (for placing and removal screen) of the open substeps. Issue message to user that the above substeps are open and the job cannot be closed.

4.2.4   If all the substeps are closed. Create a new screen labeled CLOSE JOB. The screen should contain:

4.2.4.1.1   Job Name

4.2.4.1.2   State

4.2.4.1.3   CMC

4.2.4.1.4   All the substeps for this job are complete. The last substep close date is xx/xx/xxxx. Please enter the job close date. Field should be labeled Close Date.

4.2.4.1.5   Job close date must be between and can include last substep close date and current date.

4.2.4.1.6   EMU should be generated if outside of range.

5. Performance Requirements:

(list any performance requirements associated with this change)

[Identify system response requirements that must be met for user acceptance]

5   Standard three second response time should be adhered.

6. Dependencies:

(list any defects or features that
this enhancement is dependent
on or that will be dependent on
this feature)

6   None

7. Benefits:

(provide benefits in dollars,
reduced headcount, time
savings, etc. for doing this
work) **[This is required to
identify any savings that can
be attributed this feature for
securing budget approval]**

7   Currently the user calls the HELP desk for OSPCM to reopen
or close a job. This process is timely for the user and it also adds
volume to the HELP desk troubles. This feature will allow the user to
perform these functions in a quick manner.

8. Affected Components:

	(Check) Yes	(Check) No
RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure	x	
Management Reports		x
Database	x	

9. Interfaces:

(list any legacy or new
interface systems impacted by
this change) **[Make sure other
interface systems are aware
of and agree with any
requirement change that
impacts them before**

9   None

proceeding]

	(Check)	(Check)
10. Work-around:	Yes	No
(is there a temporary work around?)	X	
(describe work around in detail)	10	Continue to use the HELP desk.
[Also identify this in the OSPCM 'known problem' document]		

11. Risks:		
(list factors that impact, positive/negative, not doing this change)	11	None

12. Business Rules:		
(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)	12	Any user with je_ewo access can reopen or close jobs.

13. Documentation Changes:		
(list affected documents requiring change)	13	Job Entry_EWO guide.
[Documentation should prepare a checklist covering each document that must be updated for this feature]		On-line Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14   Release Notes

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is complemented.) **REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix from identified back to the numbering scheme use in these test scenarios]**

15   See Attachment

16. Attachments:

(copies of screens, reports, etc. before and after proposed change – only identify if the customer requires the screen or something on the screen to look a certain way)

Attachments of proposed screens

Test scenarios

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 5/28/98

Lead Analyst: (on file) 5/28/98

BAE FUNCTIONAL DOCUMENT

Table # 2375

BAE Start Date: June 15, 1997   **BAE Name:** Carol A. Brechtel

BAE Comp. Date: June 16, 1997   **BAE Tele. No.:** 205-977-3611

BAE Hours: 1   **LA Assigned:**

CMVC Component Name: MATMGMT

Associated Defect/Feature No.:   6574

Target Release   **Target Release Date:**

(give target release this   2.1   (give target release date

needs to be in)   for this enhancement, if

                                  required

Priority:

(provide priority from 'feature   Production_hi

priority' list – production_hi

through deferred_low)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1   Allow the user to scan for inventory items with less quantity

                               than required.

Introduction:

(description of what system   1   The automatic inventory scan only searches for an displays

currently does, what needs to   existing inventory equal to or greater than the smallest requirement.

be changed, and why)   Need to enhance the system to find and display ALL like existing

                               inventory.

Solution:

(describe what the system will   1   Small inventory scan (automatic scan) should display ALL

or should do and any general constraints or conditions that limit the solution)

existing inventory found to satisfy the requirement regardless of the quantity needed to satisfy the requirements.

Changes:

(detailed description of change) [add additional rows of multiple changes]

1   Automatic inventory scan should display ALL existing inventory for like materials. Allow the user to view cable items that are less than the quantity needed on the requirement.

Performance Requirements:

list any performance requirements associated with this change)

1   There should be no noticeable affect on performance.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1   None

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1   Allow the user to see all existing inventory for the material description requested on the scan

2   Use existing inventory to satisfy a job's requirements

Affected Components:	**(Check)**	**(Check)**
	Yes	**No**

RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		x
Management Reports		x
Database		x

Interfaces:

(list any legacy or new interface systems impacted by this change)	1	None

	(Check)	(Check)
Work-around:	**Yes**	**No**
(is there a temporary work around?)		x
(describe work around in detail)	1.	

Risks:

(list factors that impact, positive/negative, not doing this change)	1. Material may be ordered when existing inventory could be used.

Business Rules:

(list any business rules or constraints that should apply)	1. Display all existing inventory that satisfies the requested scan, regardless of the quantity.

Documentation Changes:

(list affected documents requiring change)	1. Material Management User Guide
	2. Functional Decomps
	3. Test Scenarios

Acceptance Criteria/Test Scenario:

(list test scenarios required to
test change prior to user
acceptance) **REQUIRED**

1 Encode or select a job with cable requirements

2 Build unassign or surplus inventory to satisfy the requirements.
   Build the material into several inventory sites.

3 Display the "Job Needed Requirements for Job XX" window

4 Select the substep for the cable requirement

5 Execute an inventory scan

6 Verify that the scan returns ALL like inventory, regardless of the
   quantity

7 Assign and/or transfer the material. Depending on where the
   material is located will determine if you need to assign or request a
   transfer. (Test Scenario may need to be updated if Feature #6574 is
   worked before this feature)

Attachments:

(copies of screens, reports, etc.   1.   None
before and after proposed
change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL DOCUMENT

Table # 7012A

BAE Start Date:	May 8, 1998	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	May 11, 1998	**BAE Tele. No.:**	205-977-3611
BAE Hours:	3 hours	**LA Assigned:**	Karin Olinger
CMVC Component Name:	MATMGMT		

Associated Defect/Feature No.:

Target Release   **Target Release Date:**

(give target release this   (give target release date

needs to be in) **[only**   for this enhancement, if

identify if this is   required

required for an

emergency release or

must be worked in

next scheduled release]

Priority:

(provide priority from 'feature

priority' list – number

preliminary assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing   1.   The purpose of this document is to provide the customer's view

is to be typed here, this is for   of the <u>functionality</u> that needs to be changed or added to the existing

information only about the   OSPCM product. It is not the detail design requirements. It should

functional spec process.)   concentrate of 'what' is needed and not on the 'how' it is provided.

                               2.   All features that are >40 hours/1 business area require a

                               structured inspection walk through process (currently using FAGAN).

                               This is to be scheduled by the responsible SME for this feature with the

testing team lead, documentation team lead and the IT development Managers. The IT development Managers will assign the appropriate representatives to attend the meeting. Th4ese inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3.   The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4.   Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

5.   Continue numbering scheme in your text input under each table to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition - This should pretty closely match the abstract in CMVC.

1.1   Enhance Materials to read the Job Entry substep remarks and populate the order item remarks when the order is created.

2. Current Problem:

(description of what system currently does, what needs to be changed, and why)

2.1   Today the order remark and order line item remarks can not be populated until the order is created in the Materials Management executable. Any substep remarks entered while encoding the jobs are not read by materials. This feature will allow the user to encode substep remarks while encoding the job and materials will pre-populate the order line items remarks with the substep remarks when the order is created.

3. Proposed Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

3.1   Any substeps remark entered during encoding will be read by materials and the substep remark will appear as the order line item remark when the order is created.

3.2   A substep remark can be up to 250 characters but an order item

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remarks can only be 35 characters. so a substep remark longer than 35 characters will be truncated.

3.3 The order line remark will be populated with the first 35 characters of the first remark of the first substep that makes up that order item.

4. Changes/Addition(s):

(detailed description of change)

4.1 When a order is created, materials will read the substep remarks and populate the order item remarks with the information. The remarks will be sent to OrderMaster.

4.2 Substep remark can be up to 250 characters (longer if multiple remarks) but only 35 characters can be sent to OrderMaster. So a substep remark longer than 35 characters will be truncated. The system will populate the order item remarks with the first 35 characters of the substep remark.

4.3 The user will need the ability to edit the order item remarks before sending the order to OrderMaster (available today).

4.4 The system will populate the order item remarks with the first 35 characters of the first remark of the first substep aggregated to the order item.

4.5 Materials will read all substep remarks when an order is created no just the substep remarks associated with DLC/COE equipment.

4.6 If the order is marked as emergency and one of the substeps is for consignment material, the substep remark will be overwritten with the ship from consignment remark. This is currently being done by the system.

5. Performance Requirements:

(list any performance requirements associated with this change) **[Identify system response requirements that must be met for user acceptance]**

5.1 There should be no noticeable affect on performance

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1   None

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any saving that can be attributed this feature for securing budget approval]**

7.1   The user will have the ability to encode any order item remarks while encoding the job(as substep remarks).

7.2   In many of the districts material is being ordered by the Construction Supervisor they do not remember or know what remarks needs to be sent tot he vendor when ordering Central Office Equipment.

8. Affected Components:

	(Check) Yes	(Check) No
RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		x
Management Reports		x
Database		x

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that**

9.1   None

**impacts them before
proceeding]**

	(Check)	(Check)
10. Work-around:	Yes	No
(is there a temporary work around?)	x	

(describe work around in
detail)
**[Also identify this in the
OSPCM 'known problem'
document]**

10.1   The user must remember to enter the order item remarks on the Generate Order window before the order is sent to OrderMaster.

11. Risks:

(list factors that impact,
positive/negative, not doing
this change)

11.1   Today material is being ordered without the correct remarks being sent tot he vendor.

11.2   Material can be ordered and the user not get exactly what they required or the material may be shipped to the incorrect location.

12. Business Rules:

(list any business rules or
constraints that should apply.
If the business rules are
included in the changes
section, identify these with
asterisk in bold, *****business
rule*****)

12.1   If the order is marked as emergency and for consignment material any substeps remarks will be over written with the ship from consignment remark.

12.2   For this to work properly the user must populate the substep remark field.

12.3   The system will populate the order item remarks with the first 35 characters of the first remark of the first substep aggregated to that order item.

13. Documentation Changes:

(list affected documents
requiring change)
**[Documentation should
prepare a checklist covering**

13.1   Job Entry User Guide (to inform the user where the remarks should be entered and that only the first 35 characters are sent to OrderMaseter).

13.2   Functional Decomps

each document that must be   13.3   Help, for both Job Entry & Materials Management

updated for this feature]   13.4   Test Scenario

                                13.5   Material Management User Guide

                                13.6   Material Management Business Solution(s)

14. Special Training/Implementation Requirements:

(list any special   14.1   None

training/implementation

required for this feature.

Identify what will be required

to train and implement this

feature to the customer, i.e. by

documentation, e-mail, help,

cue cards, on-sight training,

etc.)

Acceptance Criteria/Test Scenario:

(list test scenarios required to   15.1   Encode a job with multiple substeps: one for DLC equipment

test change prior to user   with a substep remark of 35 characters or less, one for DLC

acceptance, this can be updated   equipment with a substep remark with more than 35 characters,

after the detailed design is   encode several substeps for cable that will be aggregated when

completed.) **REQUIRED**   the order is created and put a substep remarks on all cable

[Tester should prepare   substeps, encode one substep for consignment material, encode a

checklist based on these test   substep with multiple remarks, and encode several substep

scenarios for documentation   without substep remarks.

on results of tests. These   15.2   Configure, price and firm the job

should be in matrix from   15.3   In Materials Management create an order and verify that the

identified back to the   substep remarks have been populate in the order item remarks

numbering scheme used in   field.

these test scenarios]   15.4   For the consignments item verify that when the order is sent to

                                OrderMaster that the order item remarks was changed tot he shop

                                from consignment remarks.

                    15.5   For the aggregate cable order verify that the order item remarks is

                                populated with the substep remark from the first aggregate item.

15.6 For the item that was encoded with a substep remark greater than 35 characters verify that the remark was truncated and the order item remarks was populated with the first 35 characters.

15.7 Verify that all remarks are being passed to OrderMaster properly. I have listed all the items that need to be test, this can be done by encoding one job or multiple jobs, but created one order or multiple orders I will leave this up to the tester.

16. Attachments:

(copies of screens, reports, etc.   16.1   None
before and after proposed
change – only identify if the
customer requires the screen or
something on the screen to
look a certain way)

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 5/14/98

Lead Analyst: (on file) 5/14/98

BAE FUNCTIONAL DOCUMENT

Table # 7017B

BAE Start Date: 05/22/1998   **BAE Name:**   Gail Deaton

BAE Comp. Date: 06/04/1998   **BAE Tele. No.:** 205-977-3615

BAE Hours: 10   **LA Assigned:**

CMVC Component Name: je_ewo

Associated Defect/Feature No.:

Target Release   **Target Release Date:**

(give target release this   **2.15**   (give target release date

needs to be in) **[only**   for this enhancement, if

identify if this is   required

required for an

emergency release or

must be worked in

next scheduled release]

Priority:

(provide priority from 'feature   Production_hi

priority' list – number

preliminary assigned by SME)

Revision No.:   B   (B, C, etc. – this will require new signatures)

Reason for Revision: Walkthru changes

General:

(General information – nothing   1.   The purpose of this document is to provide the customer's view

to be typed here, this is for   of the <u>functionality</u> that needs to be changed or added to the existing

information only about the   OSPCM product. It is not the detail design requirements. It should

functional spec process)   concentrate of 'what' is needed and not on the 'how' it is provided.

                             2.   All features that are >40 hours/1 business area require a

                             structured inspection walk through process (currently using FAGAN).

                             This is to be scheduled by the responsible SME for this feature with the

testing team lead, documentation team lead and the IT development Managers. The IT development Managers will assign the appropriate representatives to attend the meeting. Th4ese inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3.   The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4.   Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

5.   Continue numbering scheme in your text input under each table to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition
- This should pretty closely match the abstract in CMVC.

1   Placing screen and Placing Replaced Item screen – CWI Information grid – Enable to CWI Qty field for all substeps.

2. Current Problem

(brief description of what the system will or should do and any general constraints or conditions that limit the solution)

2.   The CWI Information grid is only enabled for substeps that require a Depth, Width, Diameter, New/Existing. Substeps not requiring the entries read the Record Qty as the CWI Qty. It has been identified that work actions such as PLAC2 can have a CWI Qty different that they Record Qty. Precast manholes in the 1995 Regional Contract are calculated on cubic feet. The user needs to be able to enter the cubic feet in the CWI Qty field. This feature will allow the user to enter the actual CWI Qty for contract work.

3. Proposed Solution:

(brief description of what the system will or should do an any general constraints or

3.   Enable CWI Qty on the Job Entry Placing and the Placing Replaced Item Screen for all substeps.

conditions that limit the
solution)

4. Change/Addition(s):

(detailed description of   4.   Job Entry – Placing screen Enable the CWI Qty field in the
change/addition)   CWI Information grid for all substeps entered on the Placing
screen and the Placing Replaced Item screen

       4.1   The Depth, Width, Diameter, New/Existing fields
should continue to be enabled and defaulted as
currently coded. The CWI Qty is presently required
when the CWI Qty is presently required when the
CWI Information fields of Depth, Width, Diameter or
New/Existing is prepopulated.

       4.2   For substeps not using Depth, Width, Diameter,
New/Existing

           4.2.1 CWI Qty is enabled but input it is optional.

           4.2.2 "0" zero is not allowed

           4.2.3 Null or blank is allowed

       4.3   Preconfiguration of substep

           4.3.1 Determine if the substep is "C" contract or
"T" telco

                4.3.1.1 If the substep is "T" telco

                     4.3.1.1.1   Always use the Record
Qty for STIs

                     4.3.1.1.2   CWI Qty is ignored

                4.3.1.2 If the substep is "C" contract

                     4.3.1.2.1   Always use the Record
Qty for STIs

                     4.3.1.2.2   For CWI generation look
at the CWI Qty(s) first. If
the populated use this qty.
If the CWI Qty is not
populated, use the Record
Qty as the CWI Qty.

4.3.2   Configuration will use the quantities
determined in preconfiguration.

5. Performance Requirements:

(list any performance   5.   Performance should not be affected
requirements associated with
this change)
**[Identify system response
requirements that must be
met for user acceptance]**

6. Dependencies:

(list any defects or features that   6.   None
this enhancement is dependent
on or that will be dependent on
this feature)

7. Benefits:

(provide benefits in dollars;   7.   Enable the user to provide accurate contract billing expectations
reduced headcount, time   to the master contractors. Reduce the number of CIBEs generated by
savings, etc. for doing this   the contractor.
work) **[This is required to
identify any savings that can
be attributed this feature for
securing budget approval]**

8. Affected Components: **(Check)**   **(Check)**
                                 Yes   **No**

RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		x
Management Reports		x
Database		x

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9. None

	(Check)	**(Check)**
10. Work-around:	**Yes**	**No**
(is there a temporary work around?)		X
(describe work around in detail)	10.	

[Also identify this in the OSPCM 'known problem' document]

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11. OSPCM is producing inaccurate billing exceptions to the master contractors for PLAC2 work actions and for precast manholes in the 1995 regional contract.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12. Always ignore the CWI Qty field when preconfiguring Telco substeps.

CWI Qty can be greater than, less than, or equal to the Record Qty. CWI Qty cannot be "0" zero.

13. Documentation Changes:

(list affected documents requiring change) **[Documentation should prepare a checklist covering each document that must be updated for this feature]**

13. On-line Help
   User Guides

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training, etc.)

14 Release Notes

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is complemented.) **REQUIRED [Tester should prepare checklist based on these test**

15. **Test using the 1995 version of the master contract See Gail Deaton to set up Tables before testing**

15.1 Enter a contractor substep on the Placing screen

WE= "A" Work Action = "PLAC" FRC= "1C"

Material Desc = "40-5" Record Qty = "1" Order Qty = "1"

   Verify that the CWI Qty in the CWI Information grid is enabled

   Verify that the Depth, Width, Diameter, New/Existing is not

scenarios for documentation on results of tests. These should be in matrix from identified back to the numbering scheme use in these test scenarios]

enabled.

    Verify a number can be entered in the CWI Qty.

    Enter "5" in CWI Qty

    Enter a "0". Verify that "0" cannot be entered.

    Blank out the field. Verify that the field can be blanked out.

    Save the substep.

    Configure.

    Go to the Contract Detail screen and verify

        CWI = "P001A" CWI = "1"

        CWI = "P405M" CWI = "1"

15.2   Enter a contractor substep on the Placing screen

WE= "A" Work Action = "PLAC" FRC= "1C"

Material Desc = "40-5" Record Qty = "1" Order Qty = "1"

    Verify that the CWI Qty in the CWI Information grid is enabled.

    Verify that the Depth, Width, Diameter, New/Existing is not enabled.

    Enter a "0". Verify that "0" cannot be entered.

    Blank out the field. Verify that the field can be blanked out.

    Enter "5" in CWI Qty

    Save the substep.

    Configure.

    Go to the Contract Detail screen and verify

        CWI = "P001B" CWI Qty = "5"

        CWI = "P405M" CWI Qty = "5"

15.3   Enter a contractor substep on the Placing screen

WE= "B" Work Action = "PLAC2" FRC= "45C"

Material Desc = "ANMW-100" Record Qty = "1000" Order Qty = "1050"

    Verify that the CWI Qty in the CWI Information grid is enabled.

    Verify that the Depth, Width, Diameter, New/Existing is not enabled.

    Enter "950" in CWI Qty

Save the substep.

Configure.

Go to the Contract Detail screen and verify that the

CWI = "C120A" CWI Qty = "950"

15.4 Enter a contractor substep on the Placing screen WE= "B" Work Action = "FP" FRC= "45C"

Material Desc = "MH-PC-6x12x12" Record Qty = "1" Order Qty = "1"

Verify that the CWI Qty in the CWI Information grid is enabled.

Verify that the Depth, Width, Diameter, New/Existing is not enabled.

Enter "864" in CWI Qty

Save the substep.

Configure.

Go to the Contract Detail screen and verify that the

CWI = "M031B" CWI Qty = "864"

Enter a contractor substep on the Placing screen

WE= "B" Work Action = "PLAC" FRC= "45C"

Material Desc = "MH-PC-6x12x12" Record Qty = "1" Order Qty = "1"

Verify that the CWI Qty in the CWI Information grid is enabled.

Verify that the Depth, Width, Diameter, New/Existing is not enabled.

Save the substep.

Configure.

Go to the Contract Detail screen and verify that the

CWI = "M030B" CWI Qty = "864"

Enter a contractor substep on the Placing screen

WE= "B" Work Action = "PLAC" FRC= "45C"

Material Desc = "AMNW-100" Record Qty = "1860" Order Qty = "1900"

Verify that the CWI Qty in the CWI Information grid in enabled.

Verify that the Depth, Width, Diameter, New/Existing is enabled.

Verify that the Depth field has a default value.

Check the default value. "24"should be entered if not default.

Enter "1800" in CWI Qty

Save the substep.

Configure.

Go to the Contract Detail screen and verify that the

CWI = "C024B" CWI Qty = "1800"

Enter a Telco substep on the Placing screen

WE= "A" Work Action = "PLAC" FRC= "22C"

Material Desc = "BKMA-100" Record Qty = "860" Order Qty = "900"

Verify that the CWI Qty in the CWI Information grid is enabled.

Verify that the Depth, Width, Diameter, New/Existing is not enabled.

Save the substep.

Configure.

Go to the 207 Report in Job Entry and verify Record Qty and Order Qty.

Enter a Telco substep on the Placing screen

WE= "A" Work Action = "PLAC" FRC= "22C"

Material Desc = "BKMA-100" Record Qty = "860" Order Qty = "900"

Verify that the CWI Qty in the CWI Information grid is enabled.

Verify that the Depth, Width, Diameter, New/Existing is not enabled.

Enter a "0". Verify that "0" cannot be entered.

Blank out the field. Verify that the field can be blanked out.

Enter "100" in the CWI Qty

Save the substep.

Configure.

Go to the 207 Report in Job Entry and verify Record Qty and Order Qty.

Go to substep in database and verify that "100" CWI Qty has been ignored.

17. Attachments:

(copies of screens, reports, etc.   16.1 None

before and after proposed

change – only identify if the

customer requires the screen or

something on the screen to

look a certain way)

Signatures of Agreement:

(add additional rows if necessary)

BAE: (on file) 6/9/98

Lead Analyst: (on file) 6/9/98

BAE FUNCTIONAL DOCUMENT

Table # 7020A

BAE Start Date:	01/28/1998	**BAE Name:**	Gail W. Deaton
BAE Comp. Date:	01/28/1998	**BAE Tele. No.:**	205-977-3615
BAE Hours:	2	**LA Assigned:**	

CMVC Component Name: je_ewo

Associated Defect/Feature No.:

Target Release

(give target release this   2.10
needs to be in) [only
identify if this is
required for an
emergency release or
must be worked in
next scheduled release]

Target Release Date:

(give target release date
for this enhancement, if
required

Priority:

(provide priority from 'feature   Hi
priority' list – number
preliminary assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing   1. The purpose of this document is to provide the customer's view of
is to be typed here, this is for   the <u>functionality</u> that needs to be changed or added to the existing
information only about the   OSPCM product. It is not the detail design requirements. It should
functional spec process.)   concentrate of 'what' is needed and not on the 'how' it is provided.

2. All features that are >40 hours/1 business area require a structured
inspection walk through process (currently using FAGAN). This is to
be scheduled by the responsible SME for this feature with the testing

team lead, documentation team lead and the IT development Managers. The IT development Managers will assign the appropriate representatives to attend the meeting. Th4ese inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

5. Continue numbering scheme in your text input under each table to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition
- This should pretty closely match the abstract in CMVC.

1.1 Make the default for the Est. Completion date in job_ewo 30 days from the current date.

2. Current Problem

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the default for the Est. Completion date is today's date. Designers are not properly changing the date to a realistic date and today's date is being populated as the Est. Completion Date. When the job is FIRMed in Pricing and sent to BACAS the approval date is after the Est. Completion date.
This is causing BSCAS errors to be generated.

3. Proposed Solution:

(brief description of what the system will or should do an any general constraints or conditions that limit the

3.1 Make the default for the Est. Completion date in job_ewo 30 days from the current date. This should eliminate most of the BSCAS errors.

solution)

4. Change/Addition(s):

(detailed description of change/addition)

4.1 The estimated completion date currently defaults to the current date. With this feature, this date will default to the current date + 30 days. This will be the default for the creation of EWO and PWO jobs. In addition, when the user selects to clone a job, the estimated completion date will default to the current date + 30 days. The user can change the estimated completion date, but it must be the current date or a future date.

5. Performance Requirements:

(list any performance requirements associated with this change)
[Identify system response requirements that must be met for user acceptance]

5.1

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

7.1 Eliminates BSCAS errors generated to the users. Savings in the time it takes to investigate and correct these errors.

8. Affected Components:	(Check)	(Check)
	Yes	No

RTOC Instructions

HELP

User Guides

Testing

Infra-structure

Management Reports

Database

9. Interfaces:

(list any legacy or new   9.1
interface systems impacted by
this change) **[Make sure other
interface systems are aware
of and agree with any
requirement change that
impacts them before
proceeding]**

	(Check)	(Check)
10. Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)	10.1	
[Also identify this in the OSPCM 'known problem' document]		

11. Risks:

(list factors that impact,   11.1 User acceptance and BSCAS response.
positive/negative, not doing

this change)

12. Business Rules:

(list any business rules or   12.1
constraints that should apply.
If business rules are included
in the changes section, identify
these with asterisk in bold,
business rule)

13. Documentation Changes:

(list affected documents   13.1
requiring change)
**[Documentation should
prepare a checklist covering
each document that must be
updated for this feature]**

14. Special Training/Implementation Requirements:

(list any special   14.1
training/implementation
required for this feature.
Identify what will be required
to train and implement this
feature to the customer, i.e., by
documentation, e-mail, help,
cue cards, on sight training,
etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to   15.1 Enter a new EWO type job in job_entry. Check to make sure the
test change prior to user   estimated completion date default is 30 days from today.
acceptance, this can be updated   •   Enter a new PWO type job in job_entry. check to make sure the
after the detailed design is   estimated completion date default is 30 days from today.

complemented.) **REQUIRED**
[Tester should prepare
checklist based on these test
scenarios for documentation
on results of tests. These
should be in matrix from
identified back to the
numbering scheme use in
these test scenarios]

- Test to see if the default date of 30 days from today can be changed to the current date or a future date.
- Select the refresh button, the estimated completion date should be reset to the current date + 30 days.

17. Attachments:

(copies of screens, reports, etc.   16.1
before and after proposed
change – only identify if the
customer requires the screen or
something on the screen to
look a certain way)

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL DOCUMENT

BAE Start Date: 11/18/1997   **BAE Name:** Mark Seal

BAE Comp. Date: 11/18/1997   **BAE Tele. No.:**205-977-3618

BAE Hours: 8.5   **LA Assigned:**

CMVC Component Name: sched

Associated Defect/Feature No.:

Target Release   **Target Release Date:**

(give target release this   (give target release date

needs to be in) **[only**   for this enhancement, if

identify if this is   required

required for an

emergency release or

must be worked in

next scheduled release]

Priority:

(provide priority from 'feature   SCHED

priority' list – number   #1

preliminary assigned by SME)

Revision No.:   (B, C, etc. – this will require new signatures)

Reason for Revision:

General:

(General Information – nothing   1. The purpose of this document is to provide the customer's view of

is to be typed here, this is for   the <u>functionality</u> that needs to be changed or added to the existing

information only about the   OSPCM product. It is not the detail design requirements. It should

functional spec process.)   concentrate of 'what' is needed and not on the 'how' it is provided.

2. All features that are >40 hours/1 business area require a structured

inspection walk through process (currently using FAGAN). This is to

be scheduled by the responsible SME for this feature with the testing

team lead, documentation team lead and the IT development Managers.

The IT development Managers will assign the appropriate representatives to attend the meeting. Th4ese inspections are not to inspect the author, they are to be used to understand the functionality required for development of the 'Detail Design Document'.

3. The 'Analysis Phase Specific' checklist must be used, documented and baselined for each feature.

4. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

5. Continue numbering scheme in your text input under each table to provide traceability for matrixes.

1. Abstract:

(brief description of change/addition
- This should pretty closely match the abstract in CMVC.

1.1 Provide the user the ability to choose range of weeks to be displayed on the scheduling screen.

2. Current Problem

(brief description of what system currently does, what needs to be changed, and why)

2.1 Currently the system may not be able to display a 20 week schedule due to the large number of jobs in a particular CMC.

3. Proposed Solution:

(brief description of what the system will or should do an any general constraints or conditions that limit the solution)

3.1 When the user enters the scheduling module the system should ask the user to enter range of weeks of scheduled work to be displayed.

4. Change/Addition(s):

(detailed description of change/addition)

4.1 When the user enters the scheduling module, the scheduling desk top should be displayed. The following tool bar buttons should be

active.

20 week limited

20 week unlimited

current week

next week

activity mtce

reports

4.2 When the user selects the 20 week limited schedule button from the desk top tool bar, the system will display a dialog box asking the user to enter a range of weeks to be displayed. The maximum range that the user can request is 1 to 20 weeks. The system will try to display the requested range of weeks of data. If there is too much data to be displayed then the system will display a message tot he user saying that there is too much data to be displayed at once. The system will prompt the user to enter a range of weeks again. If the user requests only one week of data and the system determines that there is too much data to be displayed then the system will display a message that says that there is too much data to be displayed for the week requested. When the user clicks OK then the system should display as much data as possible.

4.3 when the user selects the 20 week unlimited schedule button from the desk top tool bar, the system will display a dialog box asking the user to enter a range of weeks to be displayed. The maximum number that the user can request is 1 to 20 weeks. The system will try to display the requested range of weeks data. If there is too much data to be displayed then the system will display a message to the user saying that there is too much data to be displayed at once.

The system will prompt the user to enter a range of weeks again. If the user requests only one week of data and the system determines that there is too much data to be displayed then the system will display a message that says that there is too much data to be displayed for week requested. When the user clicks OK then the system should display as much data as possible.

4.4 When the user selects the Current week button the desk top tool bar, the system will only display week 1 data. If the system determines

that there is too much data to be displayed then the system will display a message that says that there is too much data to be displayed for week 1. when the user clicks OK then the system should display as much data as possible.

4.5 When the user selects the Next week button from the desk top tool bar, the system will only display week 2 data. if the system determines that there is too much data to be displayed then the system will display a message that says there is too much data to be displayed for week 2. When the system should display as much data as possible.

4.6 When the user selects the Activity Mtce button from the desk top tool bar then the system will display a dialog box allowing the user to type in the Job name. This is the same dialog box that currently exists in scheduling.

4.7 Reports button on the desk top tool bar will be active so that a user can select an available report to be printed even though a schedule screen is not displayed.

5. Performance Requirements:

(list any performance requirements associated with this change)
[Identify system response requirements that must be met for user acceptance]

5.1 By limiting the amount of data requested to be displayed the system should not be displaying buffer overload errors. By only displaying the requested range of weeks of scheduling data....performance should increase because the user will likely request less data than is being displayed today.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

6.1 NONE

7. Benefits:

(provide benefits in dollars, reduced headcount, time

7.1 Benefits are that the users will see improved performance because the system is handling and displaying less data.

savings, etc. for doing this work) **[This is required to identify any savings that can be attributed this feature for securing budget approval]**

8. Affected Components:

	(Check) Yes	(Check) No
RTOC Instructions	x	
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports		
Database		

9. Interfaces:

(list any legacy or new interface systems impacted by this change) **[Make sure other interface systems are aware of and agree with any requirement change that impacts them before proceeding]**

9.1 N/A

	(Check) Yes	(Check) No
10. Work-around:		
(is there a temporary work around?)		X
(describe work around in detail)	10.1	
[Also identify this in the		

OSPCM 'known problem'
document]

11. Risks:

(list factors that impact, positive/negative, not doing this change)

11.1 Some users can't see the scheduling data at all and others will be in the same situation as volumes increase.

12. Business Rules:

(list any business rules or constraints that should apply. If business rules are included in the changes section, identify these with asterisk in bold, ***business rule***)

12.1 See Changes

13. Documentation Changes:

(list affected documents requiring change)
[Documentation should prepare a checklist covering each document that must be updated for this feature]

13.1 User guides, Help

14. Special Training/Implementation Requirements:

(list any special training/implementation required for this feature. Identify what will be required to train and implement this feature to the customer, i.e., by documentation, e-mail, help, cue cards, on sight training,

14.1 Release notes, User Guides and Release notes will document the changes.

etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is complemented.) **REQUIRED [Tester should prepare checklist based on these test scenarios for documentation on results of tests. These should be in matrix from identified back to the numbering scheme use in these test scenarios]**

15.1 Verify that when entering the scheduling module, the scheduling desk top is displayed. The following tool bar buttons will be active.

> 20 week limited
> 20 week unlimited
> current week
> next week
> activity mtce
> reports

15.2 20 week limited

- Select the 20 week limited schedule button from the desk top tool bar, the system will display a dialog box asking the user to enter a range of weeks to be displayed. Verify that the maximum number that the user can request is 1 to 20 week range.

- Verify that any range combination from 1 to 0 can be requested. Verify that when too much data exists to be displayed that the system displays a message saying that there is too much data to be displayed at once.

- Verify that the system prompts the user to enter the range of weeks request again.

- Verify that when the user requests only one week of data and the system determines that there is too much data to be displayed that the system will display a message that says that there is too much data to be displayed for week 1.

- Click OK and the system should display as much data as possible.

15.3 20 week unlimited

- Select the 20 week Unlimited schedule button from the desk top tool bar, the system will display a dialog box asking the user to enter a range of weeks to be displayed. verify that the maximum number that the user can request is 1 to 10 weeks.

- Verify that when too much data exists to be displayed that the

system displays an message saying that there is too much data to be displayed at once.

- Verify that the system prompts the user to enter the range of weeks requested again.
- Verify that when the user requests only one week of data and the system determines that there is too much data to be displayed that the system will display a message that says that there is too much data to be displayed for week.
- Click OK and the system should display as much data as possible.

15.4 Current week Button

- Verify that when the user selects the Current week button from the desk top tool bar, the system will only display week 1 data.
- Verify that when the system determines that there is too much data to be displayed that the system will displays a message that says there is too much data to be displayed for week 1.
- Verify that when the user clicks OK then the system should display as much data as possible.

15.5 Next Week Button

- Verify that when the user selects the Next week button from the desk top tool bar, the system will only display week 2 data.
- Verify that when the system determines that there is too much data to be displayed that the system will displays a message that says there is too much data to be displayed for week 2.
- Verify that when the user clicks OK then the system should display as much data as possible.

15.6 Activity Mtce Button

- Verify that the user selects the Activity Mtce button from the desk top tool bar then the system will display a dialog box allowing the user to type in the Job name.

15.7 Reports button

- Verify that the report button on the desk top tool bar will be active so that a user can select an available report to be printed even through a schedule screen is not displayed.

15.8 Verify that when any schedule is displayed that all existing too bar functionality works as it does today.

17. Attachments:

(copies of screens, reports, etc.   16.1 NONE
before and after proposed
change – only identify if the
customer requires the screen or
something on the screen to
look a certain way)

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE FUNCTIONAL DOCUMENT

Table # 6723A

BAE Start Date: 07/11/1997   BAE Name: Larry Rice

BAE Comp. Date: 08/04/1997   BAE Tele. No.:977-7436

BAE Hours: 49   LA Assigned:

CMVC Component Name: Job Entry

Job Entry Other

Billing & Reporting

Management Reports

Associated Defect/Feature No.:

Target Release   **Target Release Date:**

(give target release this   (give target release date

needs to be in) **[only**   for this enhancement, if

identify if this is   required

required for an

emergency release or

must be worked in

next scheduled release]

Priority:

(provide priority from 'feature

priority' list – number

preliminary assigned by SME)

Revision No.:   (this will require new signatures)

Reason for Revision:

General:

(General Information)   1. All features that are >40 hours/1 business area require a structured

inspection walk through process (currently using FAGAN). This is to

be scheduled by the responsible SME for this feature.

2. The 'Analysis Phase Specific' checklist must be used, documented

and baselined for each feature.

3. Any correspondence associated with this feature should also be documented (i.e., impromptu meetings, phone conversations, etc.) and associated with the feature number. It should include time, date, and participants.

1. Subject:

(brief description of change)

1. The creation of an mechanized **Pitlog** that would track the life cycle of a pit request for both an Engineering Work Order (EWO) and Routine Work (RW). This process would address the request for both planned (Exhibit "A") and demand (Exhibit "B") pits. The **Pitlog** would provide a mechanized request tot he contractor to open and to close a pit, and provide OpenMail notification o Telco when the contractor has opened a planned pit. The process would also create an **Open Pitlog Report, Pending Open Request Report** and a **Pending Closed Report** that could be utilized by both Telco and contractor.

2. The regional standard developed for mechanized Pitlog <u>must</u> be followed if this process is to function correctly.

2. Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently the system allows the user to input work tasks that can be defined as a pit in user terms. These are identified for EWO's in JE with the work action of **DIG** that configures the substep with the CWI for open/close a pit. For RW's, the user identifies these work tasks by using one of three work actions of **PIT, OPIT & CPIT**. The user provides the CWI appropriate for the work requested either Exhibit "A" or Exhibit "B".

2. The application lacks a process that would track these work task requests identified by the user as a pit. The application does not have a process in place that would completely track the life cycle for a "pit request". This cycle includes: (1) Identify the need for a pit and provide contractor expectations, (2) Telco request to the contractor to open a pit, (3) actual date the contractor opened the

pit, (4) the Telco request to the contractor to close the pit, and (5) the actual date the contractor closed the pit.

3. Process should minimize the coding changes required for JE & JEO by utilizing the existing M&P for encoding and requesting both planned (Exhibit 'A') and demand (Exhibit 'B') pits.

4. The Pitlog process will use the initial data entered in Job Entry for EWO's and Job Entry Other for RW's **(Process #1)**, mechanize the communication of the "Telco Open Pit Request" to the contractor **(Process #2)**, mechanize the "Contractor Open Pit" notification (OpenMail) to Telco that the pit was actually opened **(Process #3)**, mechanize the "Telco Close Pit Request" to the contractor **(Process #4)**, and if the user elects not to use the Pitlog process, then this process would not affect the existing Billing & Reporting process of substep completions by the contractor. **(Process #5)**.

5. The intent is that the data entry required to provide the contractor billing expectations and pit request be performed only once. For example, if the "Desired Work Date" was entered in JEO that the application would populate the "Telco Requested Open Pit Date" in the Pitlog for a demand (Exhibit "B") pit. And upon completion by the contractor in B&R-Completions that the application would populate the "Contractor Actual Close Date' in the Pitlog.

Work flow of Pit Request for Planned Work Exhibit "A"

EWO/PWO: Having the designed work encoded in JE, the Telco supervisor has all of the work locations identified that require a pit. The expectations for each job have been provided to the contractor by the **MP-10484 Engineering Work Order**. However, the contractor has not been notified when actually open the pit substep.

Once the EWO/PWO job has been scheduled and requires that a pit be opened, the Telco Supervisory will access B&R-Open-**Pitlog-Telco Open Pit Request** and select from the grid the job that Telco wants to have a pit substep opened. The Telco supervisor will populate the "Telco Open Pit Request Date" field with the date that the pit is to be

opened by.

RW: The same process for an EWO Exhibit "A" pit can also be utilized for RW planned pits. Otherwise, Telco has the option of populating the "Desired Work Date" in JEO at the time the RW substep (**PIT**) is created. Either method will generate notification to the contractor in the same manner discussed next.

This transaction will create an "**Open Pit Request**" for the contractor in B&R-New Work the next time the contractor requests their New Work Orders. This will be considered the mechanized request to the contractor to open a pit.

Once the contractor has completed opening the pit substep requested, they will select B&R-Open **Pitlog-Contractor Open Pit Update** and populate the "Contractor Open Pit Date" field with the actual date the pit substep was opened in the field.

This transaction will then create a notification for each pit that was opened by the contractor and will be OpenMail to the Telco RESID assigned to that substep. This will be considered the mechanized notification from the contractor to Telco that the pit has been opened and ready for Telco forces to work.

After the technician has completed the work operation associated with the pit request, he/she will notify their supervisor that the pit is ready to close.

The Telco Supervisor will then access B&R-Open-**Pitlog-Telco Close Pit Request** and select from the gird the job that he/she wants to have the pit closed. The Telco Supervisor will populate the "Telco Close Pit Request Date" field with the current date or the date the pit can be closed by the contractor.

This transaction will create a "**Close Pit Request**" for the contractor in B&R-New Work the next time the contractor requests their New Work Orders. This will be considered the mechanized request to the contractor to close a pit.

Once the contractor has completed closing the pit substep requested, they will select B&R-Completions and populate the data as they are currently doing today for substep completions. The B&R application

will populate the "Contractor Closed Pit Date" field in the Pitlog.

With the data entered, the following reports would be available for both the contractor and Telco that will track the <u>planned</u> pits:

- The **Open Pitlog Report** will provide the complete status of each pit that has opened by the contractor.

- The **Pending Open Request Report** will provide a list and status of all pit that had been requested by Telco and have not been reported open by the contractor.

- The **Pending Close Request Report** will provide a list and status of each pit that have been requested to closed by Telco but have not been completed by the contractor.

<u>Work Flow of Pit Request for Demand Work (Exhibit "B")</u>

Having encoded the demand wok in JEO, the Telco supervisor has request that a contractor be dispatched on an Exhibit "B" hourly rate to dig at a specific location that will result in a pit being left open.

When Telco generates the initial request using the work action of **OPIT**, Telco will populate the "Desired Work Date" in JEO. This makes the substep available to the contractor and an generates an existing **MP-10482 Routine Work Order** for the contractor as his billing expectations. This becomes mechanized request then populate the "Telco Open Pit Request Date" field in the **Pitlog** for this RW step (RW steps that have a **OPIT & CPIT** substep will be reflected in Pitlog as one pit location as a step).

Telco knows that a pit will be left open at this location and created a second substep on the same step using the work action of **CPIT** for either Exhibit "B" or Exhibit "A' CWI's to have the pit closed. Telco <u>does not</u> populate the "Desired Work Date" at this time.

Once the contractor has completed this request (**CPIT** substep) in B7R-Completions, the system will populate the "Contractor Open Pit Date" in the **Pitlog**.

Once the Telco work operation has been completed for this RW request, the Telco technician will notify his/her supervisory that this location needs to be closed.

At this time, Telco will populate the "Desired Work Date" in JEO for

the second substep on the same step, where the work action is **CPIT**, with the current date or the date Telco wants this location closed. This makes this substep available to the contractor and generates an existing **MP-10482 Routine Work Order** for the contractor and his billing expectations. This becomes the mechanized request to the contractor to close a pit on Exhibit 'B' hourly cost or Exhibit 'A' unit price.

The process will also populate the "Telco Close Pit Request Date" field in the Pitlog for this RW step (RW steps that have a **OPIT & CPIT** substep will be reflected in Pitlog as one pit location as a step).

Again once the contractor completes the second substep of **CPIT** and the system will populate the "Contractor Closed Pit Date" in **Pitlog**.

With the data entered the following reports would be available for both the contractor and Telco that will track the demand pits:

- The **Open Pitlog Report** will provide the complete status of each pit that has been opened b the contractor.

- The **Pending Open Request Report** will provide a list and status of all pit that had been requested by Telco and have not been reported open by the contractor.

- The **Pending Close Request Report** will provide a list and status of each pit that have been requested to closed by Telco but have not been completed by the contractor.

1. A new **pit_log** table will be crated to record the transactions that will enable the user to track the pit request from start to finish.

2. The **pit_log** table will populated by the initial entry in Job Entry Other for RW Exhibit 'A' unit price planned pits.

3. The **pit_log** table will populated by the initial entry in Job Entry Other for RW Exhibit 'A' unit price planned pits, and RW & EWO Exhibit 'B' hourly cost demand pits.

    3.1 The application will identify demand pits at a step level with an **OPIT & CPIT** substep.

    3.2 The process will create only one pit_log record for a step that has **OPIT & CPIT** substep.

4. The M&P developed would allow those substeps identified by the four work actions of **DIG, PIT, OPIT & CPIT** to be tracked in the

Pitlog.

5. The updates form the new **Pitlog** selection in Billing & Reporting will populate the dates for:

    5.1 Telco Open Pit Request Date

    5.2 Contractor Open Pit Date

    5.3 Telco Close Pit Request Date

6. With the completion of the substep in B&R-Completions by the contractor, this process will populate the date for:

    6.1 Contractor Close Pit Date

7. **Regional Standard for Pits in JE & JEO**

7.1. **Planned Pits (Exhibit 'A')**: For EWO pit substeps, these pit locations <u>will</u> be requested to be open & closed in the new **Pitlog**. For RW pit locations, the user will have the option of populating the "Desired Work Date" when the RW is being keyed in JEO. Or the user may elect to populate the "Telco Open Pit Request Date" in the new **Pitlog**. Either scenario will produce the same result. Both EWO & RW planned pits and will be tracked on three new Pitlog Reports.

    7.1.1 **Job Entry (JE) – Exhibit 'A'**: The job entry configuration currently uses the work action of **DIG** to configure substeps for Exhibit 'A' CWI's to open/close a pit. No changes would be required for this process.

    7.1.2 **Job Entry Other (JEO) 'A'**: For those locations (substeps) that a pit is to be open/close on Exhibit 'A' CWI's for Routine Work, the work action **PIT** <u>must</u> be used on each substep.

        7.1.2.1 For RW planned pits, the Pitlog process will track these requests at a step level.

        7.1.2.2 If there are to be multiple pits opened on for this RW then each pit must be created on a separate step. This provides the

unique location/address for each pit request.

    7.1.3 Both of these transactions will create an occurrence in the pitlog for each request.

7.2   **Demand Pits (Exhibit 'B')**: These pit substeps <u>will not</u> be requested to be open & closed in the new **Pitlog**, but will be tracked on the three new Pitlog Reports. The normal process of populating the substep JEO-Desired Work Date for both the **OPIT & CPIT** substeps will make this work available to the contractor.

    7.2.1   **Job Entry Other (JEO) – Exhibit 'B'**: For those locations (substeps) were a pitlog was requested to be opened on Exhibit "B" CWI's the work action **OPIT** is used. The user will then create a second step using the work action **CPIT** to have the pit closed on either Exhibit 'B' hourly cost or Exhibit 'A' unit price.

8.   For those planned substeps that have been identified as EWO/PWO Exhibit 'A' unit price pits (**DIG**), and RW Exhibit 'A' unit price pits (**PIT**), Telco will use the **Pitlog** to generate **MP - ?????? Open Pit Request** work orders. These work orders will appear in B&R-New Work for the contractor to use for their employees dispatch ticket.

9.   For RW Exhibit 'A' unit price pits (**PIT**), Telco also the option of populating the "Desired Work Date" in JEO at the time Telco creates the RW Exhibit 'A' request. The process will generate a "Pit Request Work Order" in lieu of the MP – 10482 Routine Work Order.

10. For those demand substeps that have been identified as EWO or RW Exhibit 'B' hourly cost pits (**OPIT/CPIT**), Telco will continue to use the existing method of populating the "Desired Work Date' in JEO for each substep when Telco wishes to make the work available to the contractor.

11. This process will continue to provide billing expectations, the

"Who, What, Where, When and Why" required for the contractor for Exhibit 'B' expenditures by the "MP-10482 Routine Work Order".

12. By using this methodology, all substeps identified as pits will be tracked on the following three new Pitlog Reports: **Open Pitlog Report, Pending Open Request Report** and **Pending Closed Request Report** that can be utilized by both Telco and contractor.

4. Change(s):

(detailed description of change) –

[add additional rows if multiple changes]

1. **Data Input**

    1.1   **EWO/PWO**: User enters a Exhibit 'A' substep_ewo where the work action equals **DIG** in JE. When the application creates, configures and saves the substep_ewo record, the application will create a new pit_log record linking it to the original substep_ewo.

    1.2   **RW Exh-A**:   User creates substep_rw for Exhibit 'A' where the work action equals **PIT** in JEO. When the application saves the substep_rw record the application will create a new pit_log record linking it to the original substep_rw.

        1.2.1   If the user elects to populate the "Desired Work Date" in JEO the application will populate the "Telco Requested Open Date' field on the pit_log record.

    1.3   **RW Exh-B**: User creates the first substep_rw where the work action equals **OPIT** and the second substep where the work action equals **CPIT** in JEO. When the application saves the substep_rw record, the application will also create a new pit_log record linking it to the original **OPIT** substep_rw. The application will create only one occurrence of pit)log for this step_rw.

        1.3.1   When Telco populates "Desired Work Date" for the OPIT substep in JEO, the application

will populate "Telco Requested Open Date" on pit_log record.

    1.3.2   When Telco populates "Desired Work Date" for the **CPIT** substep in JEO, the application will populate "Telco Requested Close Date" on pit_log record.

1.4   **EWO Exh-B**: User creates the first substep_ewo where the work action equals **OPIT** and the second substep where the work action equals **CPIT** in JEO. when the application saves the substep_ewo record, the application will also crate a new pit_log record linking it to the original **OPIT** substep_ewo. The application will create <u>only</u> one occurrence of pit_log for this step_ewo.

    1.4.1   When Telco populates "Desired Work Date" for the **OPIT** substep in JEO, the application will populate 'Telco Requested Open Date' on pit_log record.

    1.4.2   When Telco populates "Desired Work Date" for the **CPIT** substep in JEO, the application will populate "Telco Requested Close Date" on pit_log record.

1.5   The new pit record may require an accepted_ind for this table to ensure not sending multiple request to the contractor.

1.6   Once the pit substep has been successfully encoded in either JE or JEO, the application will have created a corresponding pit_log record for each of these pit substeps and steps that have the work action equal to **DIG** for EWO/PWO Exhibit 'A', **PIT** for RW Exhibit 'A', and one for a step_rw where there is a step with two substeps of **OPIT** & **CPIT** for RW/EWO Exhibit 'B'. The assumption is that there is now a corresponding pit_log record for each substep

identified in the JE & JEO requiring a pit.

1.7   The contracts for JE & JEO will require modification.

1.8   **Only those substeps that follow the regional standard for encoding of a pit will have a presence in the pit_log table and therefore be considered to tract on the Pitlog Reports.**

2.   **Billing & Reporting**

This application will require a new entry of Pitlog in the "Open" drop down menu. Upon selection of Pitlog, a new drop down menu will populate with the following selections and functions: (See Fig. 17).

2.1   **Telco Open Pit Request...**

2.1.1   This selection will allow Telco to request a pit to be opened in the Pitlog for planned pits. The selection criteria are State & CMC, RESID, or Job Number.

2.1.2   Telco populates Cont#, State, CMC and RESID to selected all planned pit substeps (EWO/PWO & RW) for the selection criteria provided.

2.1.3   If the user does not populate RESID, then the application would populate the grid with all pit substeps where the "Telco Requested Open" date was not populated and that are assigned to this RESID.

2.1.4   If the user does populate RESID, then the application would populate the grid with all pit substeps where the "Telco Requested Open" date was not populated for the entire CMC.

2.1.5   The user can then select from the grid the jobs that Telco wanted to request from the pit substep be opened. (See Fig. 18)

2.1.6 Once these jobs have been selected, a drop down box listing the jobs selected with the corresponding print and step information will be provided. (See Fig. 19)

2.1.7 The user then is placed on a grid that displays Job, Print, Step and Substep Information of the Job, Print & Step that was selected.

2.1.8 The user will populate the "Telco Requested Open" date field.

2.1.9 This will generate a **MP-????? Open Pit Request** for the contractor in the B&R-New Work Orders presentation to have the pit substep opened.

2.1.10 The 'Telco Open Pit Request Date" is for only Telco to populate. (See Fig. 20)

2.1.11 when Telco populates the JEO-Desired Work Date for RW Exhibit 'A' planned pits or RW & EWO Exhibit 'B' demand pits, the system will populate these dates in the Pitlog.

2.1.12 If Telco where to request on of the demand pit jobs, then the dates would be reflective in the Pitlog.

2.2 **Contractor Receives Open Pit Request**

2.2.1 When the contractor accesses B7R-Completions-New Work, the gird will include a new column for PIT that will enable the contractor to identify his pit requests.

2.2.2 The processes by which the contractor will receive their planned EWO/PWO & RW Exhibit 'A' unit price pit requests to open a pit will utilize the existing procedure of making them available in the B&R-New Work. (See Fig. 21)

2.2.3　The contractor will receive the new "**MP-????
Open Pit Request**: for all planned pit substeps
that have been requested to be open by Telco.

2.2.4　The process by which the contractor will
receive their demand EWO & RW Exhibit 'B'
hourly cost pit requests to open a pit will utilize
the existing procedure of making them
available in the B&R-New Work.

2.2.5　The contractor will continue to receive the MP-
10482 Routine Work Order that will provide
the request for the **OPIT** substeps.

2.3　Contractor Open Pit Update...

2.3.1　This selection allows the contractor to populate
the date the contractor actually opened the pit
that had been request to open in **Pitlog** for
planned pits.

2.3.2　For demand pits, the B&R-Completions dates
are reflected in the Pitlog for these pit requests.

2.3.3　The contractor selects the "Contractor Open Pit
Update: selection that will list all jobs that have
a pending "Telco Open Pit Request" in the
Pitlog. (See Fig. 22)

2.3.4　The contractor selects the jobs that are to be
populated with the date they where actually
opened in the.

2.3.5　Once these jobs have been selected a drop
down box listing the jobs selected with the
corresponding print and step information will
be provided. (See Fig. 23)

2.3.6　The contractor is placed on a grid that
displaysJob, Print, Step and Substep
information.

2.3.7   The contractor will populate the "Contractor Open Pit" date with the date that the pit was actually opened in the field.

2.3.8   This will generate a OpenMail notification for planned pits to the owner (RESID) of the substep. This will be the notification from the contractor to Telco that the pit is open and ready to be worked by Telco forces.

2.3.9   The "Contractor Open Pit Date" is only to be populated by the Contractor. (See Fig. 24)

2.4   **Telco Close Pit Request...**

2.4.1   This selection will allow Telco to Request a planned pit to be closed in the **Pitlog**.

2.4.2   Telco populates State & CMC, RESID or Job Number to select all substeps (EWO/PWO & RW) for the selection criteria provided

2.4.3   If the user <u>does</u> populate RESID then the application would populate the grid with all pits substeps where the "Contractor Open Pit" date is populated and that are assigned to this RESID.

2.4.4   If the user <u>does not</u> populate RESID then the application would populate the grid with all pits substeps where the 'Contractor Open Pit" date is populated for the entire CMC.

2.4.5   The user will then select from the grid the jobs that Telco wants to request the pit to be closed. (See Fig. 25)

2.4.6   Once these jobs have been selected, a drop down box listing the jobs selected with the corresponding print and step information.(See Fig. 26)

2.4.7 The user then is placed on a grid that displays Job, Print, Step and Substep information.

2.4.8 The user will populate the "Telco Requested Close" date field for planned pits.

2.4.9 This will generate a **MP-????? Close Pit Request** for the contractor in the B&R-New Work Order presentation to close the pit.

2.4.10 The "Telco Close Pit Request Date" is for <u>only</u> Telco to populate. (See Fig. 27)

2.5 **Contractor Receives Close Pit Request**

2.5.1 The contractor will access B&R-Completions-New Work. The grid can include a new column for **PIT** that will enable the contractor to identify his pit requests.

2.5.2 The process by which the contractor will receive their planned EWO/PWO & RW Exhibit 'A' unit price pit requests to have a pit closed will utilize the existing procedure of making them available in their New Work. (See Fig. 28)

2.5.3 The contractor will receive the new "**MP-????? Close Pit Request**" for all planned pit substeps that have been requested to be open by Telco.

2.5.4 The process by which the contractor will receive their demand EWO & RW Exhibit 'B' hourly cost pit requests to open a pit will utilize the existing procedure of making them available in the B&R-New Work.

2.5.5 The contractor will continue to receive the MP-10482 Routine Work Order that will provide the request for **CPIT** substeps.

2.6 **Open Pit Report...**

2.6.1 This will generate a Crystal report that <u>will list</u>

all pit substeps that are open for the selection criteria provided by the user.

2.6.2   The selection criteria is State, CMC, and Cont# with the RESID optional. This will allow the user to request this report for an individual RESID instead of for the entire CMC.

2.6.3   This report will reflect the status of all pit substeps that have a "Contractor Open Pit" date populated.

2.6.4   The "days" column of the report calculates the number of days a pit has been open (Today-Contractor Open Pit Date)

2.6.5   This report will be made available to both Telco and contractor.

2.7   **Pending Open Request Report...**

2.7.1   This will generate a Crystal report that will list all pit substeps that have been requested to be open for the selection criteria provided by the user.

2.7.2   The selection criteria is State, CMC, and Cont# with the RESID optional. This will allow the user to request this report for an individual RESID instead of for the entire CMC.

2.7.3   This report will reflect the status of all pit substeps that have a "Telco Open Pit Requested Date" populated and the "Contractor Open Pit Date" has not been populated.

2.7.4   The 'days' column of the report calculates the number of days from when the pit was requested to be opened (Today-Telco Open Pit Request Date).

2.7.5   This report will be made available to both Telco and contractor.

2.8 **Pending Close Request Report...**

    2.8.1   This will generate a Crystal report that <u>will list all pit substeps that have been request to be closed</u> for the selection criteria provided by the user.

    2.8.2   The selection criteria is State, CMC, and Cont# with the RESID optional. This will allow the user to request this report for an individual RESID instead of for the entire CMC.

    2.8.3   This report will reflect the status of all pit substeps that have a "Telco Close Pit Requested Date' populated and the "Contractor Closed Pit Date" has not been populated.

    2.8.4   The "days" column of the report calculates the number of days from when the pit was requested to be closed (Today – Telco Close Pit Request Date)

    2.8.5   This report will be made available to both Telco and contractor.

5. Performance Requirements:

(list any performance requirements associated with this change)

[**Identify system response requirements that must be met for user acceptance**]

    1.   Should <u>not</u> affect performance.

6. Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

1. None

7. Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work) [**This is required to identify any savings that can be attributed this feature for securing budget approval**]

1. Eliminates manual log kept by most Telco supervisors in the field.

2. Mechanizes the request process for Exhibit 'A' planned pits to the contractor for opening and closing request.

3. Provides positive notification to Telco when the contractor has opened an Exhibit 'A' planned pit.

8. Affected Components:

	(Check) Yes	(Check) No
RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure	x	
Management Reports	x	
Database	x	

9. Interfaces:

(list any legacy or new interface systems impacted by this change) [**Make sure other interface systems are aware of and agree with any requirement change that impacts them before**

1. None

proceeding]

	(Check)	(Check)
10. Work-around:	Yes	No
(is there a temporary work around?)		x
(describe work around in detail)	1.	
[Also identify this in the OSPCM 'known problem' document]		

11. Risks:

(list factors that impact, positive/negative, not doing this change)

1. (-) Will require the Telco supervisor to maintain a manual Pitlog.

2. (+) Provides a mechanized pitlog for a CMC or specific RESID.

3. (-) Requires Telco to continue to make manual request to have an Exhibit 'A' planned pit opened or closed.

4. (+) Provides a mechanized way of requesting the opening and closing of Exhibit 'A' Planned pits for the contractor.

5. (+) Provides positive notification to Telco when the Exhibit 'A' planned pit has been opened.

12. Business Rules:

(list any business rules or constraints that should apply)

1. See text provided

13. Documentation Changes:

(list affected documents requiring change)

[Documentation should prepare a checklist covering each document that must be

1. User Guides

1.1 Job Entry

1.2 Job Entry Other

1.3 Billing & Reporting

updated for this feature]

14. Special Training/Implementation Requirements:

(list any special training   1.
required for this feature, i.e.,
documentation, e-mail, help,
cue cards, on sight, etc.)

15. Acceptance Criteria/Test Scenario:

(list test scenarios required to   1.
test change prior to user
acceptance, this can be updated
after the detailed design is
complemented.) **REQUIRED
[Tester should prepare
checklist based on these test
scenarios for documentation
on results of tests. These
should be in matrix from
identified back to the
numbering scheme use in
these test scenarios]**

16. Implementation:

(Identify if there is an special   1.   **The M7P established for this process must be followed for a**
implementation issues that   **planned or demand pit to be tracked on the Pitlog Reports.**
need to be addressed, i.e., field
deployment, etc.)

17. Attachments:

(copies of screens, reports, etc.   1.   Fig. 29 is an exemplary table for Open Pitlog Report
before and after proposed   2.   Fig. 30 is an exemplary table for Pending Open Request Report
change)   3.   Fig. 31 is an exemplary table for Pending Close Request Report
                                    4.   Fig. 32 is an exemplary table for Open Pit Request

5.   Fig. 33 is another exemplary table for Open Pit Request

6.   Fig. 34 is an exemplary table for Close Pit Request

7.   Fig. 35 is another exemplary table for Close Pit Request

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **2042**

BAE Start Date:	05/22/1996	**BAE Name:**	Gail Deaton
BAE Comp. Date:	05/28/1996	**BAE Tele. No.:**	977-3615
BAE Hours:	20		

CMVC Component Name	EXCEPTION GEOGRAPHIC LOCATION EDIT FOR DIGITAL LOOP ELECTRONICS

Associated Defect/Feature No.:	2042

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.0	(give target release date for this enhancement)	04/02/1997

Priority:	
(provide priority from 'feature priority' list – production_hi through deferred_low	production_hi

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   Add edit into OSPCM Job Entry EWO to ensure that a ExGLC is present and is valid for digital loop electronics (DLE).

Introduction:

(description of what system currently does, what needs to be changed, and why)

OSPCM currently does not require the entry of a ExGLC for digital loop electronics. The addition of this edit will answer a Internal Audit finding for the equipment placement in Network. The failure of ordering equipment to a ExGL results in accounting posting error. The equipment cannot be booked. A edit needs to be incorporated for placing DLE materials to ensure that a ExGL is entered by the user and that the ExGL is valid in CORTS.

Solution:

(describe what the system will or should do)

The area_req_ind field is already in the ref edit application and Informix database and can be used for this feature. If this field is set to Y, an exception GLC is required. The field is in the frc table and the frc history table. The frc area_req_ind fields are downloaded as a local table so the field can be used for local VB edits.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

The area_req_ind field is already in the ref edit application and Informix database and can be used for this feature. If this field is set to Y, an exception GLC is required. The field is in the frc table and the frc history table. The frc and area_req_ind fields are downloaded as a local table so the field can be used for local VB edits.

Job entry VB presentation would add several new error messages. Two new Job Entry/Configuration "C" functions

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required to respond to the "Save" function of the VB presentation:

1) Examine the substep FRC and determine if the FRC requires an Exception GLC.
2) Validate the Exception GLC associated with the DLE substeps to ensure:
a) it is a valid GLC
b) the exception GLC does not belong to a wire center
c) the exemption GLC does not belong to an inventory site

OPEDS Pricing Contract "C" code required to call the above two new functions to edit substep information coming from OPEDS.

CHANGES TO GUI:

Better correlation between the Materials screens and the substep screens would be necessary. No new fields would be necessary on the Job Entry EWO screens but exception GLC is not on the same screen with the substep information. Exception GLC should be validated as mentioned above. Therefore, when an exception GLC is required, the user should be forced to go to the Materials screens and enter the GLC.

NEW MESSAGES:

1. "The FRC associated with this substep requires an Exception GLC"
2. "Exception GLC is not a valid GLC."
3. "Exception GLC is currently associated with an existing Wire Center."
4. "Exception GLC is currently associated with an existing Inventory Site."

NEW/CHANGED CONTRACTS FOR CDF FILE:

Contracts to examine the FRC of the substep and determine if

the FRC requires an Exception GLC. Contract to validate GLC to see if already associated with a wire center or an inventory site.

Performance Requirements:

(list any performance requirements associated with this change)

Dependencies:

(list any defects or features that this enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

Answers Internal Audit finding against DLC equipment placement in Network

	(Check)	(Check)
8. Affected Components:		
	Yes	No
RTOC Instructions		
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports		
Database	x	

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		x
(describe work around in		

detail)

Risks:

(list factors that impact, Not responding to audit finding

positive/negative, not doing

this change)

Business Rules:

(list any business rules that

should apply)

Documentation Changes:

(list affected documents   1.4

requiring change)

Test Scenario:

(list test scenarios required to

test change)

Attachments:

(copies of screens, reports, etc. 8.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 1263

BAE Start Date: 04/03/1996   **BAE Name:**   Gail Deaton

BAE Comp. Date: 04/05/1996   **BAE Tele. No.:**   977-3615

BAE Hours: 6

CMVC Component Name   CORE TABLES - CONFIGURATION

Associated Defect/Feature   2042
No.:

Target Release: **Target Release Date:**

(give target release this needs to be in)   2.01   (give target release date for this   06/30/1997
   enhancement)

Priority:

(provide priority from 'feature priority' list –   production_hi
production_hi through deferred_low

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   Add drop down boxes on the Configuration Tables.

Introduction:

(description of what system currently   The Configuration Editor Module is a district user tool. In
does, what needs to be changed, and   adding information to the Resource Group/Work Type screen

why)   the user should have drop down selections.

Solution:

(describe what the system will or   Configuration Editor Module –On the Resource Group/Work

should do)   Type screen, drop down selection boxes should be available in

two fields.

- The "Schedule Sequence Code" field is edited against the sched_sequence table. A drop down selection box should be available to the user. Entries in the drop down selection should be retrieved from the sched_sequence table, the sched_seq_cd field.
- The "Contract Type" field is edited against the contract_type table. A drop down selection box should be available to the user. Entries in the drop down selection should be retrieved from the contract_type table, the contract type field.

Change(s):

See above.

Performance Requirements:

(list any performance requirements

associated with this change)

Dependencies:

(list any defects or features that this

enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced   Ease of use for the user. Faster selection time.

headcount, time saving, etc, for doing

this work)

8. Affected Components: (Check)   (Check)

	Yes	No
RTOC Instructions		
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports		
Database		

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

These tables are not in a presentation that the user is privy to. There are no drop downs to indicate what a valid entry should be. The configuration tables will be a source of user frustration.

Business Rules:

(list any business rules that should apply)

Documentation Changes:

(list affected documents requiring change)

Test Scenario:

(list test scenarios required to test change)

Attachments:

(copies of screens, reports, etc.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **1415**

BAE Start Date: 05/15/1997   **BAE Name:**   Gail Deaton

BAE Comp. Date: 05/15/1997   **BAE Tele. No.:**   977-3615

BAE Hours: 1

CMVC Component Name   CORE TABLES - CONFIGURATION

Associated Defect/Feature No.:

Target Release: **Target Release Date:**
(give target release this needs to   phase_3.0   (give target release date for this
be in)   enhancement)

Priority:
(provide priority from 'feature priority' list –   deferred_hi
production_hi through deferred_low

Revision No.:
Reason for Revision:

Subject:
(brief description of change)   1.   If a job contains no prints and steps, disable the
configuration button.

Introduction:

| (description of what system currently does, what needs to be changed, and why) | 1. | On the job outline screen the configuration button is enabled before any prints and steps are entered. If the user clicks on the configuration button, OSPCM tries to configure the job. Configuration is kicked off and a message is sent to user. After processing, a successful configuration message is sent to the user. |

Solution:

| (describe what the system will or should do) | 1. | Do not allow configuration to be kicked off when the job is empty. |

Change(s):

| | 1. | Disable the configuration button until a print, step, substep has been successfully saved. |

Performance Requirements:

| (list any performance requirements associated with this change) | 1. | Performance should not be impacted. |

Dependencies:

(list any defects or features that this enhancement is dependent on)

Benefits:

| (Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work) | 1. | Save processing time. |
| | 2. | Enhance user acceptance. |

| **Affected Components:** | (Check) | (Check) |
| | Yes | No |

RTOC Instructions

HELP

User Guides	x
Testing	x
Infra-structure	
Management Reports	
Database	

Interfaces

(list any legacy or new interface systems   1.
impacted by this change)

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)	1.	

Risks:

(list factors that impact,	1.	Confusion of the user
positive/negative, not doing	2.	Save processing time
this change)		

Business Rules:

(list any business rules that   1.   Do not allow the configuration process to be kicked off until at
should apply)   least one print, step, substep has been saved.

Documentation Changes:

(list affected documents   1.
requiring change)

Acceptance Criteria/Test Scenario:

(list test scenarios required to   1.   Enter a new job on the job entry information screen. Save and

test changes)

close. The job outline will appear. Verify that the configuration button is disabled.

2. Enter a new job on the job entry information screen. Save and close. The job outline will appear. Verify that the configuration button is disabled. Enter a print, step, substep to the job. Save and close. On the job entry outline verify that the configuration button is enabled. Configure the job. Verify a successful configuration.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **1416**

BAE Start Date: 05/15/1997   **BAE Name:**   Gail Deaton

BAE Comp. Date: 05/15/1997   **BAE Tele. No.:**   977-3615

BAE Hours: 1

CMVC Component Name: Job Entry - EWO

Associated Defect/Feature

No.:

Target Release: **Target Release Date:**

(give target release this needs to   phase_3.0   (give target release date for this

be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   deferred_hi

production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   PWO type jobs should not allow billing codes or

                                                     replaced items.

                                        2.   Add a edits to ensure that that Job Name starts will

                                                     PWO.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently billing information can be added to a PWO. This is not allowable under BellSouth policy.

2. The Job Name for a PWO type job will currently accept any format. This is unacceptable in that a PWO job type must always start with PWO.

Solution:

(describe what the system will or should do)

1. Add edits to the PWO job to disallow any billing information entries.

2. Ensure that a PWO job name start with "**PWO…**"

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1. Gray out fields that are for billing information on a PWO.

   • On the Job Information screen, gray out "CLAIM#"

   • On the Placing screen, gray out the "Billing" field

   • On the Placing screen, gray out the "Replaced Item" icon

   • On the Splicing screen, gray out the "Billing' field

   • On the Splicing screen, gray out the "Replaced Item" icon.

2. On the Job Information screen, prepopulate "**PWO…**" in the Job Name field.

Performance Requirements:

(list any performance requirements associated with this change)

1. Performance should not be affected

Dependencies:

(list any defects or features that this   1.

enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced   1.

headcount, time saving, etc, for doing

this work)

Affected Components:	(Check)	(Check)
	Yes	No

RTOC Instructions

HELP	x	
User Guides	x	
Testing	x	

Infra-structure

Management Reports

Database

Interfaces

(list any legacy or new interface systems   1.

impacted by this change)

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work		X
around?)		
(describe work around in	1.	
detail)		

Risks:

(list factors that impact,   1.   This feature will ensure the user does not enter erroneous

positive/negative, not doing   information on a PWO type job.

this change)

Business Rules:

(list any business rules that should apply)

1. Billing information cannot be entered on a PWO type job.
2. the Job Name for a PWO type job must begin with "**PWO...**"

Documentation Changes:

(list affected documents requiring change)

1.

Acceptance Criteria/Test Scenario:

(list test scenarios required to test changes)

1. Enter information for a new PWO.
   - On the Job Information screen, verify that "CLAIM" is grayed out
   - On the Placing screen verify that the "Billing" field is grayed out
   - On the Placing screen, verify that the "Replaced Item" icon field is grayed out
   - On the Splicing screen, verify that the "Billing" field grayed out
   - On the Splicing screen, verify that the "Replaced Item" icon grayed out

2. On the Job Information screen, verify that "**PWO...**" is prepopulated in the Job Name field.

3. Enter substep information for placing and splicing. Save and Configure. Verify a successful configuration.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

1.

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **2035**

BAE Start Date:	11/20/1996	**BAE Name:**	Gail Deaton
BAE Comp. Date:	11/21/1996	**BAE Tele. No.:**	977-3615
BAE Hours:	4		

CMVC Component Name: Reorg

Associated Defect/Feature No.:   2035

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.01	(give target release date for this enhancement)	06/30/1996

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low)   production_hi

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   Add OPF parameter to determine on a CMC level if material will be furnished by Telco, the Master Contractor, or a Vendor.

Introduction:

(description of what system currently does, what needs to be changed, and why)	OSPCM currently assumes that the master contractor furnishes all poles, manholes and conduit. A OPF parameter needs to be established to determine at a CMC level, which party will furnish material. This OPF will also establish the ability to handle Vendor provided material.

Solution:

(describe what the system will or should do)	Add OPF parameter to allow the input of the preference of Telco furnished material, Master Contractor, or Vendor furnished material.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]	**CORE TABLES OPF**
	
	Add a OPF parameter that can be tied to a specific material category and subcategory. This parameter would have three options:
	
	• Telco Furnished
	• Master Contractor Furnished
	• Vendor Furnished
	
	JOB ENTRY – EWO
	
	• Material Status Flag
	   1. Telco furnished material will have the material status flag set to "N".
	   2. Master Contractor furnished material will have the material status flag set to "U".
	   3. Vendor furnished material will have the material status flag set to "U".
	
	PRICING
	
	• Price of materials
	   1. Telco furnished material – Dollars will be generated from the average disbursed price of the material item.

2. Master Contractor furnished material – Dollars will be generated from the material CWI code and it's associated price located in the specific master contract for the wire center.

3. Vendor furnished material – Dollar for vendor supplied material will be generated from the avg_price_amt populated in CID.

Performance Requirements:
(list any performance requirements associated with this change)

Dependencies:
(list any defects or features that this enhancement is dependent on)

Benefits:
(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

Accuracy in the ordering of materials needed for engineering work orders. Accurate price amount for the material. The materials will be inventoried if required and disbursed from inventory when completed.

Affected Components:	**(Check)**	**(Check)**
	Yes	No

RTOC Instructions

HELP	x
User Guides	x
Testing	x
Infra-structure	
Management Reports	
Database	x

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

Poles, conduit and manholes are currently hard coded to be furnished by the Master Contractor. There are some districts where Telco does order and place into inventor poles, manholes and conduit. In these particular districts, OSPCM does not generate a material order and this is a manual process.

Vendor supplied materials for DLE equipment are becoming more common place. This will allow the district to specify which material items will be supplied by the vendor.

Pricing will not reflect the most accurate cost based on who supplies the material.

Business Rules:

(list any business rules that should apply)

Documentation Changes:

(list affected documents

requiring change)

Test Scenario:

(list test scenarios required to

test change) **REQUIRED**

Attachments:

(copies of screens, reports, etc.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **3640**

BAE Start Date:	December 4, 1996	**BAE Name:**	Carol A. Brechtel
BAE Comp. Date:	December 12, 1996	**BAE Tele. No.:**	205-977-3611
BAE Hours:	18		

CMVC Component Name: Job Entry – Reorg

Associated Defect/Feature No.:   3640

Target Release: **Target Release Date:**

(give target release this needs to   2.01   (give target release date for this   July 1, 1997

be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   production_hi

production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   Functionality to rename a wire center, move a wire center/inventory site between CMCs, possibility in different states. The functionality to change resource id's assigned to the jobs that are involved in the reorg.

Introduction:

(description of what system currently does, what needs to be changed, and why)

The system does not handle the moving or renaming of wire centers and/or inventory sites. Also can not update the resource id assigned to a job.

Enhance the system to handle wire center name changes, movement of wire centers/inventory sites between CMCs, and to handle changing the resource id's assigned to do work on a job.

Solution:

(describe what the system will or should do)

New user screens to handle the renaming of wire centers, the movement of inventory sites and wire center between CMCs, and the changing of resource ids.

Crystal Report to printout the requested reorg information (possibility exist of handling more than one reorg request at a time).

Management Reports to list all jobs involved in the reorg and

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one that will list all inventory (serialized and non-serialized) that should be moved in the reorg. These reports could be run before the reorg and again after the reorg to ensure that all data was moved properly.

Batch runs that will actually move/update the data in the data bases.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

Types of reorgs/changes:

1. CMC consolidation
2. Wire Centers and inventory sites split between two or more CMCs
3. Resource ID changed in associated with wire center move
4. Wire Center Name Change

If the reorg involves adding a new CMC all navigator contracts must be updated with the new location. Also before the reorg is processed the location table must be updated with the new location.

All data will be moved with the reorg batch process, this includes closed and completed job data.

The following OSPCM executable will probably be affected by the reorg:

Billing & Reporting, Complaints, Employee Editor, Inspections, Job Entry EWO, Job Entry Other, Location Editor, OPF Editor, Pricing, Scheduling and Work Station.

Wire Center Name Change (Reorg Type #4):

On a wire center name change OSPCM would need to update

all occurrences of the existing wire center name with the new wire center name. Before this type of change can be processed it will be necessary to build all the new wire centers in the location editor.

CMC Consolidation, Wire C nt rs splits and R source ID changes (R org Types #1, #2 & #3):

OSPCM would need to update all occurrences of the old CMC with the new CMC, when inventory sites and wire centers are moved.

If CMC consolidation or split is being processed the reog would also need to update all the substeps assigned to the resource id to the new resource id. The user would provide the information for these changes by populating the Resource Id window.

Job Entry – if all wire centers on a job are being moved to the same CMC the process should change the primary CMC to the new CMC, at the job header level. If the wire centers on a job are being split between two or more CMCs – the primary CMC should be changed to the CMC of the primary wire center shown on the job header.

Pricing – The CMC is used when printing reports. The CMC should be updated in pricing identical to the change made in job entry.

Configuration Table – If a CMC consolidation is being down update the tables with the new CMC. If wire centers from one CMC are being moved to multiple existing CMC no change is required. If wire centers are being moved from one CMC to multiple CMC, one of which is a new CMC, duplicate the table for the new CMC using the old CMC data.

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Employee Table – If the old CMC is being deleted and all existing wire centers under that CMC are being moved to the same CMC the process should update the CMC on the employee table.

If the wire centers are being split between multiple CMC the process should use the information on the resource id window to update the CMC and resource id on the employee table. Both Management and non-management employees need to be updated.

The batch process should end date the existing employee record (from CMC and Res ID), and build a new employee record with the to CMC and Res ID.

Workstation – all jobs should be moved to the new CMC, using the same procedures as indicated for job entry.

Inspections – CMC information is stored on the inspection tables, when the reorg process is run it will be necessary to update the table with the to CMC. If wire centers are being split between multiple CMC, the process will need to read the wire center to determine which CMC to use.

Location Editor – Move inventory site and wire centers tot he new CMC, and end date or delete the old CMC. If all data is being moved to the new CMC I don't see any reason to keep from CMC.

If inventory is being moved from one inventory site to a new or exiting inventory site when the process is completed and all inventory has been moved.

Billing & Reporting – All jobs open and closed should be moved. This included all job types: BSW, EWO and RW.

Job Entry Other – All jobs open and closed should be moved. This included all job types: BSW, EWO and RW.

Scheduling – Scheduling read the job entry tables, so when they are updated by the reorg process and when the schedule is run it should pick up the correct data.

Materials Management – Transaction should be generated whenever inventory is moved during the reorg process. A new transaction type will be needed.

If a inventory site is being moved to a new or existing CMC, the inventory site name is not being changed, the process needs to change the CMC name associated with the inventory site. The inventory, serialized and non-serialized, would stay with the inventory site.

All material request, material request item, serialized and non-serialized should be changed during the batch process.

Completed orders should be moved during the process, since we are moving all job data, regardless of the status.

If the reorg is attempting to move inventory at one site to multiple inventory sites the user will need to manually move the inventory)serialized and non-serialized) using the transfer process. The batch process would have no way of know what material to move where.

Performance Requirements:

(list any performance requirements associated with this change)

All updates must be made over the week-end. Reorg could begin on Friday night completing on Sunday so the users could verify that all data was updated correctly. System must be available on Monday morning, normal working hours.

Dependencies:

(list any defects or features that this enhancement is dependent on)

None

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

Keep wire center names current and accurate. Keep the system in line with realignment of districts, manager etc.

Affected Components:	(Check) Yes	(Check) No
RTOC Instructions	x	
HELP	x	
User Guides	x	
Testing	x	
Infra-structure	x	
Management Reports	x	
Database	x	

Interfaces:

(list any legacy or new interface systems by this change)

Majority of systems that interface with OSPCM would need to know about the changes we were making. In today's environment this is done be letters to MTR,

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STAR, Financial Processing, BCAS, Asset
Management etc. Any change moving or renaming
wire centers in OSPCM would need to be coordinated
with OPEDS.

For a Wire Center name change OSPCM would need
to coordinate the change with LMOS.

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work		X
around?)		
(describe work around in		
detail)		

Risks:

(list factors that impact, Don't rename the wire center when area code splits are done, don't
positive/negative, not doing move wire centers and inventory sites when CMCs are combined or
this change) split. Management would be difficult since it would be almost
impossible to pull data on the location you are responsible for. The user
would also be required to manually update the resource id assigned to
work a substep when changes are made.

Business Rules:

(list any business rules that
should apply)

1. All jobs should be moved, closed, completed, open, canceled, etc.

2. Management Report will not be involved in the reorg process.

3. The reorg should not generate duplicate job numbers.

4. System should be backup before the reorg is run.

5. Bid & Award, Regional Contract, BSW LookUp and the Holiday Editor do not need to updated with the reorg process.

THIS IS JUST A START AT LISTING BUSINESS RULES AS THE PROCESS IS DETAILED IT MAY BE NECESSARY TO ADD OTHERS.

Documentation Changes:

(list affected documents requiring change)

No documentation exist for this process. Would need to develop M&P, test scenarios and functional decomps.

Acceptance Criteria/Test Scenario:

(list test scenarios required to test changes prior to user acceptance)

1.   Consolidate two existing CMC
2.   Split wire centers and inventory sites between two CMC one existing and one new CMC)
3.   Rename several wire centers
4.   Change resource id assigned to do work on jobs.

DETAILED TEST SCENARIOS WILL BE FURNISHED AT A LATER DATE

Attachments:

(copies of screens, reports, etc. before and after proposed change)

Screen Layouts (wire center name change, wire center and inventory site moves, and resource id changes)

Manual Reorg Efforts

Open Issues

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **2355**

BAE Start Date: 06/13/1996   **BAE Name:** Gail Deaton

BAE Comp. Date: 06/13/1996   **BAE Tele. No.:** 205-977-3615

BAE Hours: 5

CMVC Component Name: Job Entry – EWO ability to print OSPCM messages

Associated Defect/Feature No.: 2355

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.0	(give target release date for this enhancement)	04/02/1997

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low)   production_hi

     OSPCM plan B

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   Job Entry – EWO module – give the user the ability to print OSPCM generate messages.

Introduction:

(description of what system currently does, what needs to be changed, and   Currently Job Entry will generate messages for the user. Some of these messages are lengthy. There is no print capability for

why)

the message. The use must remember the message or write down the message.

Solution:

(describe what the system will or should do)

Give the user print capability for OSPCM generated messages in Job Entry – EWO.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

OSPCM should provide print functionality for model error screens. This functionality should be added in 3 places: the substep save error screen, the delete warning and error messages, and the configuration error messages.

Performance Requirements:

(list any performance requirements associated with this change)

Dependencies:

(list any defects or features that this enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

Ease of use: more rapid error resolution.
Save processing time – the user is forced to recreate the error message if they do not remember the original message.

Affected Components:	(Check)	(Check)
	Yes	No

RTOC Instructions

HELP   x

User Guides

Testing   x

Infra-structure

Management Reports

Database

	(Check)	(Check)
Work-around:	Yes	No

(is there a temporary work
around?)
(describe work around in
detail)

Risks:

(list factors that impact,   User acceptability of product will be at risk if this is not implemented.
positive/negative, not doing
this change)

Business Rules:

(list any business rules that
should apply)

Documentation Changes:

(list affected documents
requiring change)

Test Scenario:

(list test scenarios required to
test change)

Attachments:

(copies of screens, reports, etc.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 3794

BAE Start Date: 12/01/1996   **BAE Name:**   Larry Rice

BAE Comp. Date: 12/02/1996   **BAE Tele. No.:**   977-7436

BAE Hours: 3.0

CMVC Component Name: bill_report

Associated Defect/Feature
No.:

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.0	(give target release date for this enhancement)	Pilot

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low   prod_hi

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   Make the necessary software changes to facilitate the invoicing changes required for the Supplier Transactions and Remittace (STAR) system.

Introduction:

(description of what system currently does, what needs to be changed, and   **What system currently does:** Today OSPCM provides a mechanized feed to SAVE/MAPS that bundles the contractor

why)

completions to invoices and then create a voucher. The voucher number is generated by OSPCM and is printed on the pay draft generated by SAVE/MAPS. This voucher number enables the contractor to identify step & substep completions in OSPCM that have been bundled on an invoice and voucher. The SAVE/MAPS system will be replaced by the Supplier Transactions and Remittance (STAR) system effective January 1, 1997. STAR does not use OSPCM generated vouchers but instead is a one-to-one OSPCM invoice to a STAR voucher.

What needs to be changed: Billing & Reporting needs to revise all VB presentations and Crystal reports that use the Voucher as a key to determine payment for the contractor. The contractors will use only the Invoice Number when navigating the B&R screens when query about payments. All functionality that dealt with Vouchers will be focused on an Invoice, with all references to Vouchers eliminated.

Why system needs to be changed: STAR draft payments will be populated with the OSPCM Invoice Number not the STAR voucher number. The Invoice Number will be the key which the contractor will use to query OSPCM to determine what completions have been bundled on an invoice.

Solution:
(describe what the system will or should do)

The Billing & Reporting VB presentation for Vouchers will need to be modified to present only the Invoices. All references to Vouchers for VB GUI and Crystal reports will be changed to focus on the Invoice Number. The logic to display the currently 90 day billing should stay the same. The server process that bundles completions to an invoice should always try to maximize the STAR limit of 250 detail lines on an invoice.

Change(s):

(detailed description of change) – [add
additional rows if multiple changes]

- Modify Mail Menu selection from Vouchers to Invoices.
- Remove Voucher control from **Identify the Invoice** frame.
- Group the State, CMC & Contract # controls within the **Identify the Invoice** frame.
- Remove Vouchers grid from **Identify the Invoice** frame.
- Relocate Invoice grid to be centered on the **Identify the Invoice** frame.
- Add Job Number text box to the **Identify the Invoice** frame.
- Expand Invoices grid size to display more invoice detail lines on the **Invoice Number** screen.
- Add Job Number grid to frame to display invoice detail lines on the **Job Number** screen.
- Remove all references to Voucher from all frames, screens and Crystal reports.

Performance Requirements:

(list any performance requirements
associated with this change)

Ensure that the 90 day time period does not impact on response time to populate this grid. May need to re-evaluate the time frame and consider 60 days if performance becomes and issue.

Dependencies:

(list any defects or features that this
enhancement is dependent on)

The removal of the Voucher grid is dependent on the success of the Phase I changes made for the initial OSPCM/STAR source feed changes effective 01/01/97. With the existing SAVE/MAPS voucher still in the 90 day window through the end of March, the contractor will still need the ability to relate OSPCM generated Voucher Number to Invoice Number for a period of time after the initial implementation. This will probably me a mote point with the scheduled field trail date of May 1007. This will be well past the 90 day window at the

time OSPCM Phase II goes to field trail.

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

- <u>No</u> headcount reduction
- <u>No</u> benefit in dollar savings
- Required functional changes imposed by the Phoenix project.

Affected Components:	(Check) Yes	(Check) No
RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		x
Management Reports		x
Database		x

	(Check) Yes	(Check) No
Work-around: (is there a temporary work around?) (describe work around in detail)		X

Risks:

(list factors that impact, positive/negative, not doing this change)

The contractor will have no way of matching his draft payment information with OSPCM data unless the Invoice Number is used as the key for payment queries. The OSPCM generated Voucher Number will have <u>no</u> meaning with the implementation of STAR.

Business Rules:

| (list any business rules that should apply) | The server process should maximize the STAR limit of 250 invoice detail lines on an invoice. The reduction of the number of invoices generated by this bundling process will make the process much simpler for the contractor to determine what completions are bundled on an invoice for payment. |

Documentation Changes:

(list affected documents requiring change)	• HELP
	• User Guide
	• Instructor Guide
	• Functional Decomp
	• Test plan

Test Scenario:

(list test scenarios required to test change)

Attachments:

(copies of screens, reports, etc. before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # **6254**

BAE Start Date: 04/30/97   **BAE Name:**   Larry Rice

BAE Comp. Date: 05/01/97   **BAE Tele. No.:**   977-7436

BAE Hours: 2.0 Hours

CMVC Component Name: bill_report

Associated Defect/Feature   6254

No.:

Target Release: **Target Release Date:**

(give target release this needs to   2.01   (give target release date for this   06/01/97

be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   production_hi

production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   In Phase 2.0 as well as in Phase I.09, any time that

Routine Work, EWO Exhibit 'B' or EWO Exhibit

'B/A' work orders are requested to display, print or

local, all steps are printed regardless whether they have

open or closed substeps on a step. **The application**

needs to be changed so that only those steps that

have open substeps will display, print or local

download when request in New and Existing.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently when work orders for Routine Work, EWO Exhibit 'B' or EWO Exhibit 'B/A' are requested to display, print or local, all steps for the job request are displayed, printed or downloaded to the clients C drive, regardless of there status of 'OP' or 'CO'.

2. The application needs to be changed so that only those work orders for Routine Work, EWO Exhibit 'B' or EWO Exhibit 'B/A' that have at least one open substep on a step display, print or local when requested from New or Existing by the contractor.

3. When the contractor selects a RW or EWO job to display, print or local in New or Exiting, the search retrieves all job, prints, steps and substeps, regardless if they are 'OP' or 'CO'. If a job were to have (99) closed steps and (1) open step, the application will print all (100) steps. This would require the contractor to sift through these (100) work orders to find the (1) that still required work to be dispatched on.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. For New and Existing, when the contractor requests work orders for Routine Work, EWO Exhibit 'B' or EWO Exhibit 'B/A', only those work orders that have at least one open substep on a step should be retrieved and displayed, printed or downloaded to the clients C drive.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1. **New Work Orders for RW, EWO Exhibit 'B' & EWO Exhibit 'B/A'**

- Retrieve and then display, print or local all job numbers that have at least one open substep on a step and <u>have not</u> been accepted by the contractor.
- If there are multiple substeps on a step then display all substeps for each step that have at least one open substep on the step and display the status code for each substep.
- If there are no open substeps on a step then do not display, print, local that step.
- For each work order page break on each step number, sorted by Job, Print and Step Number.

1. **Existing Work Orders for RW, EWO Exhibit 'B' & EWO Exhibit 'B/A'**
    - Retrieve and then display, print or local all job numbers that have at least one open substep on a step.
    - If there are multiple substeps on a step then display all substeps for each step that have at least one open substep on the step and display the status code for each substep.
    - If there are no open substeps on a step then do not display, print, local that step.
    - For each work order page break on each step number, sorted by Job, Print and Step Number.

Performance Requirements:

(list any performance requirements associated with this change)	1	Changes should no impact on performance.

Dependencies:

(list any defects or features that this enhancement is dependent on)	1	None

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1   For the contractor, only those work orders that have work remaining to complete will display, print or local.

Affected Components: (Check)   (Check)

                                     Yes   No

Interfaces:

(list any legacy or new interface systems impacted by this change)

1.   None

RTOC Instructions

HELP

User Guides   x

Testing   x

Infra-structure

Management Reports

Database

                               (Check)   (Check)

Work-around: Yes   No

(is there a temporary work around?)   X

(describe work around in detail)

Risks:

(list factors that impact, positive/negative, not doing this change)

1   In the case of a job that has many steps that have bee completed and then a new step is added, the process will continue to print all of the open and closed steps.

Business Rules:

(list any business rules that should apply)	1	See changes

Documentation Changes:

(list affected documents requiring change)	1	User guide

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) (**REQUIRED**)

1. Select a RW and EWO that have both open and closed steps to validate that only those steps that have at least one open substep on them are printed, displayed or downloaded to the clients C drive in both New and Existing.

2. Add new step in JEO to a RW and EWO that have no open steps to validate that when new work is added that only the new step that had been added is printed, displayed or downloaded to the clients C drive in both New and Existing.

Attachments:

(copies of screens, reports, etc. 1 before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

<div align="right">Table # F5305_fs.doc</div>

BAE Start Date:	12/02/1996	**BAE Name:**	Ron Cochran
BAE Comp. Date:	01/15/1997	**BAE Tele. No.:**	205-977-7444
BAE Hours:	25	**LA Assigned:**	

CMVC Component Name: Bid & Award

Associated Defect/Feature No.:   5304

Target Release:

(give target release this needs to be in)	1.9	(give target release date for this enhancement)	

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low   HI

Revision No.:

Reason for Revision: To provide printing capabilities for existing contracts

Subject:

(brief description of change)   Make system changes necessary to allow the user to print any existing contract when eve the need arises.

Introduction:

(description of what system currently does, what needs to be changed, and why)   Currently, the contract coordinator can only print a copy of the contract when the system is used for bidding purposes. At that time, the contract can be printed (including the appropriate

prices and other associated data substitution) only until the contract is in effect. At that time, the specific documents for that contract are stored on the local access data base. These documents should be placed on the server and then have the capability to print them upon demand. This is specifically needed when a contract work adjustment has been made. In addition , there are no provisions for entering or printing contact documents on conversion contracts which were not bid through OSPCM.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

The system should allow the user to select from the contract type's current regional/status documents for a conversion contract. It should be modified to allow the printing of a portion or all of the selected documents whenever necessary.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1. All access to these functions come from the OPEN Contracts screen. The present edits on that form should be continued.

2. The Contract Maintenance from should have an additional icon added with the title of Print Doc Copy. An edit should be performed when the Print Doc Copy is selected. The edit should verify that the contract prices are activated and the start date of the contract is today or in the past. If not, the user should received an error which essentially states that they cannot print a contract which is not in effect. For individual contracts (future consideration) the start date is not applicable.

3. When this action is complete, three tabs should be available: the Build, Edit and assemble tabs are used for input. These are identical in appearance and functionality as the Bid Package forms with the following limitations.

Assemble

- If the contract is one which was bid using OSPCM, the Selected Components grid should be populated with the documents previously stored for the specific contract. These documents cannot be deselected.

- The Available Components grid should be populated with regional and state document types which were not stored for the specific contract. These document types be may be selected or deselected in the Selected Component grid. The final selected components will be saved as specific documents for this particular contract upon SAVE or SAVE/CLOSE.

- If the contract is a conversion contract, the Selected Components grid will be blank. The user may select any of the documents from Available Components grid.

Edit

- All documents (except articles) may be modified by the user regardless of whether the contract is a conversion or bid contract. The exact functionality as the Bid Package form should be carried forward to this form.

Build

- In all cases, the Bidders Grid should be populated with the contractor name for this specific contract. The grid should be a read only grid.

- The Components Grid has the same functionality as it does when used as part

of the Bid Package.

- The Print and Disk options will have the same functions with the following exception. The print to file will be for documents only. There is only one disk. No Excel spread sheets will be produced since no interaction with the contractor is necessary.

Performance Requirements:

(list any performance requirements associated with this change)

None

Dependencies:

(list any defects or features that this enhancement is dependent on)

None

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

When the original specifications were written for this module, every contract coordinator had a clerical person assigned to them. In addition, three other clerks at the core headquarters were available to help these people. By the end of the first quarter, there will be no clerical help for the coordinator. In addition, the Mechanized Analyze and Contract Payment Administration System (MACPAS) has been discontinued. That system would print new contracts when additional items were added or deleted or PIC adjustments are made.

The additional functionality of printing these contract through OSPCM will save a minimum amount of 1200 hours per year for a PG58 Manager.

Affected Components:	(Check)	(Check)
	Yes	No
RTOC Instructions		x
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		x
Management Reports		x
Database	x	

Interfaces:

(list any legacy or new   None
interface systems
impacted by this
change)

	(Check)	(Check)
Work-around:	**Yes**	**No**
(is there a temporary work		X
around?)		
(describe work around in		
detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)	Possibility of very negative adverse reaction on the part of the field users by not having a copy of the most up-to-date prices in a reasonable time frame. Other duties of the contract coordinator in a time of reduced personnel will be severely curtailed.

Business Rules:

(list any business rules that should apply)	In change text.

Documentation Changes:

(list affected documents   None (other than user guides)

requiring change)

Acceptance Criteria/Test Scenario:

(list test scenarios required to   Functionality of forms

test change prior to user

acceptance)

Attachments:

(copies of screens, reports, etc.   None

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 6092

BAE Start Date:	4/30/1997	**BAE Name:**	Gail W. Deaton
BAE Comp. Date:	05/20/1997	**BAE Tele. No.:**	977-3615
BAE Hours:	7	**LA Assigned:**	

CMVC Component Name: CONFIGURATION EDITOR

Associated Defect/Feature No.:   6901

Target Release:

(give target release this needs to be in)   phase_2.1

Target Release Date:

(give target release date for this enhancement)   09/01/1997

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low   production-med

Revision No.:

Reason for Revision:

Subject:

(brief description of change)	1	Give the user global delete capability in Configuration Editor for a expired resource
	2	Give the user copy capability in Configuration Editor for a new resource.

Introduction:

(description of what system currently does, what needs to be changed, and why)	1	Currently the system does not have global delete capability for a resource. This delete capability should be given to the user for expired resources.
	2	Currently the system does not have any copy capability. Give the user the ability to copy the work types for an newly created resource.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)	1	If a RESID is expired, allow a global delete in Configuration Editor.
	2	Add the ability to copy work types from an existing resource for newly created RESIDs.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]	1.	Add a "Delete Resource" icon on the Resource Group/Work Type screen. When the icon is clicked, a screen should appear that states: "Enter RESID to be deleted. _____. This is a global delete. Save will remove this RESID from Resource Group/Work Type; Resource Group/Wire Center Area; and the Resource Group/Work Type/Wire Center. Only expired RESIDs will be globally deleted." Implement an edit to check the expiration date of the RESID. If the expiration is today or in the future, do not allow the delete and issue error message. EMU should read "This RESID is not expired. Cannot delete."
	2.	Add a new screen to Configuration Editor. This should be a COPY RESOURCE screen. The user will enter the RESID and the Wire Center to be copied; and the RESID and the Wire Center to receive the copy. This copy should populate the data for the Resource Group/Work Type screen and the Resource

Group/Wire Center Area screen should be prepopulated by the user before trying to use the COPY RESOURCE screen.

- Add an edit on the save for the COPY RESOURCE that the RESID to receive the copy must be in the Resource Group/Wire Center Area Table and must have Travel Time and Inventory Site populated.
- Add an edit that the RESID to receive the copy must not be expired.
- Allow the copies from RESID to be <u>activate</u> or <u>expired</u>.

Performance Requirements:

(list any performance requirements associated with this change)

1 Performance of OSPCM should not be affected by this change.

Dependencies:

(list any defects or features that this enhancement is dependent on)

This Feature is dependent on Feature 6091

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1 User input time will be greatly reduced by these global deletes and copies.

Affected Components:	(Check)	(Check)
	Yes	**No**

RTOC Instructions

HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports		
Database		

Interfaces:

(list any legacy or new   1
interface systems
impacted by this
change)

	(Check)	(Check)
Work-around:	**Yes**	**No**
(is there a temporary work around?)	X	
(describe work around in detail)	1	User will individually delete or add work types to the Configuration Editor.

Risks:

(list factors that impact,   1   User acceptability of the OSPCM product.
positive/negative, not doing
this change)

Business Rules:

(list any business rules that   1   A RESID cannot be globally deleted from the Configuration
should apply)   Editor unless it is expired.

Documentation Changes:

(list affected documents   1.
requiring change)

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) **REQUIRED**

1. Enter a RESID that is not expired using the DELETE RESOURCE icon on the Resource Group/Work Type screen. Should received EMU that the RESID is not expired and cannot be deleted.

2. Enter a RESID that is expired using the DELETE RESOURCE icon on the Resource Group/Work Type screen. Delete the Resource.
   - Pull up the Resource Group/Work Type screen and search for work types linked to this RESID. None should be linked.
   - Pull up the Resource Group/Wire Center Area screen and search for linked wire centers. None should be linked.
   - Pull up the Resource Group/Work Type/Wire Center screen and search for linked work types. None should be linked.

3. On the COPY RESOURCE screen, enter information to copy a RESID. Verify via Management Reports that the data was correctly copies and applied to the correct wire center.

Attachments:

(copies of screens, reports, etc. 1 before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 4665

BAE Start Date: September 23, 1996   **BAE Name:** Gail Deaton

BAE Comp. Date: November 05, 1996   **BAE Tele. No.:** 977-3615

BAE Hours: 28

CMVC Component Name: 4665

**Associated Defect/Feature
No.:**

Target Release: **Target Release Date:**

(give target release this needs to   2.0   (give target release date for this   03/1997
be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   production_hi
production_hi through deferred_low

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   add features to handle DLC Turnkey applications

Introduction:

(description of what system currently does, what needs to be changed, and why)

Currently, OSPCM and OPEDS have no features for DLC turnkey applications. DLC turnkey is a process in which a vendor orders necessary equipment for a DLC, assembles the equipment, makes splices and performs pre-service turn up carrier systems.

The vendor is responsible for total project management of each application. The vendor sends a paper request to the BellSouth Purchasing Group to request BellSouth to order materials. This procedure takes the local district personnel out of the loop for equipment ordering/receipting material/and tracking inventory until the product is delivered fully assembled.

OSPCM changes will allow for the encoding, prevention of ordering, and the disbursement of DLC turnkey substeps.

Solution:

(describe what the system will or should do)

OSPCM will require changes in the Job Entry Module, the Materials Module, Management Reports and possibly the Scheduling Module.

For **Job Entry** the placing substeps, splicing substeps and the data base will need to be changed to allow the encoding of each piece of equipment, cable or splice with a **DLC Turnkey indicator**.

The DLC turnkey indicator will turn off or blank out any STI's and CWI's generated by configuration.

OPEDS must incorporate the above changes in the substep data sent to OSPCM. ODEDS/OSPCM contracts must be revised to transmit the data.

Materials will read the indicator and not calculate an <u>order date</u> and <u>on job date</u> if the indicator is set to "Y" but will leave the material in the "N" needed status. Once assembled, this material gets shipped to the field and must be added to inventory and assigned to a job. The material is added to inventory using the Inventory Add process and checking turnkey. The Needed and the All Requirements screens need to be changed to display the DLC turnkey indicator on each substep. If the substep is selected to be ordered, a new edit mush be added so that substep cannot be ordered.

Scheduling will need to add another scheduling code of DLC-TNKY in order to place all the turnkey equipment and splicing into the same activity. Another labor type of "VS", vendor supplied will be required.

Upon completion of a substep the **Material Module** will disburse the materials as required from inventory.

Workstation and Contractor Reporting will disburse the items to CPR.

A management report will also be required to list the material components of a DLC Turnkey.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

Job Entry- Add DLC turnkey indicator on the **Material Data – Order Data** screen. Options for this indicator will be "Y" or "N". The default for this indicator will be "N". A indicator must also be added for the **splicing screen** to indicate turnkey. Add DLC turnkey indicatory in the **job entry data base**.

Materials- Add code for the DLC turnkey indicator. If the indicatory is "Y" do not calculate an order date and on job date. If the indicator is "N" proceed as code currently exists. Display indicator on each substep on the Needed and the All Requirements screens. In addition, an edit will be required so that a turnkey substep cannot be ordered in OSPCM.

Management Reports – add report listing DLC Turnkey Requirements

Performance Requirements:

(list any performance requirements associated with this change)

Dependencies:

(list any defects or features that this enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

Ability to track DLC turnkey operations in OSPCM as part of a engineering authorization.

Affected Components: (Check)   (Check)

                              Yes   No

RTOC Instructions

HELP	x
User Guides	x
Testing	x
Infra-structure	
Management Reports	x
Database	x
Job Entry	x
Materials Mgmt	x
OPEDS	x

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)	X	
(describe work around in detail)	Do not place DLC equipment or splicing for turnkey jobs into OSPCM. Back end report all equipment in "As Builts."	

Risks:

(list factors that impact, positive/negative, not doing this change)	Possibility lose tract of job requirements for equipment. No inventory tracking. Work will be added to the field technician to complete substeps in vendor activity.

Business Rules:
(list any business rules that should apply)

Documentation Changes:

(list affected documents requiring change)	JOB ENTRY USER GUIDE JOB ENTRY INSTRUCTOR GUIDE

Acceptance Criteria/Test Scenario:

(list test scenarios required to   Test scenarios to be provided by January 15, 1997.

test change)

Attachments:

(copies of screens, reports, etc.   Job Entry – Custom material screen

before and after proposed   Job Entry – Splicing screen

change)   Management Report - layout

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 5989

BAE Start Date:	03/26/1997	**BAE Name:**	Gail Deaton
BAE Comp. Date:	03/26/1997	**BAE Tele. No.:**	977-3615
BAE Hours:	1	**LA Assigned:**	

CMVC Component Name:

Associated Defect/Feature No.: 4707

Target Release:

(give target release this needs to be in) 2.0

Target Release Date:

(give target release date for this enhancement) 04/01/1997

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low) HI

Revision No.:

Reason for Revision:

Subject:

(brief description of change) Change step edits in Job Entry Ewo

Introduction:

(description of what system currently does, what needs to be changed, and System currently allows no duplicate steps on the job. Need to change edit to no duplicate steps on the print.

why)   This change is required to accommodate conversion job.

Solution:

(describe what the system will or   The system should edit each step number for duplicate entries.
should do and any general constraints   There should not be any duplicate step numbers for the print
or conditions that limit the solution)   specified. Duplicate step number can be entered for the job.

Change(s):

(detailed description of change) – [add   Feature 4707 implemented the job level edit. The feature needs
additional rows if multiple changes]   to be reversed. Example: there can be print 1 step 1; print 2
                                             step 1; print 3 step 1; etc.

Performance Requirements:

(list any performance requirements   Should not change any current performance.
associated with this change)

Dependencies:

(list any defects or features that this
enhancement is dependent on)

Benefits:

(Provide benefits in dollars, reduced   Allows for the conversion of JMOS jobs into the OSPCM
headcount, time saving, etc, for doing   system without the changing of step numbers of the physical
this work)   work prints.

Affected Components: **(Check)**   **(Check)**
                                Yes   **No**

RTOC Instructions

HELP

User Guides	x
Testing	x
Infra-structure	
Management Reports	
Database	

Interfaces:

(list any legacy or new interface systems impacted by this change)

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

Business Rules:

(list any business rules that should apply)   A step number is unique to the print.

Documentation Changes:

(list affected documents requiring change)   1.

Acceptance Criteria/Test Scenario:

(list test scenarios required to

test change)

Attachments:

(copies of screens, reports, etc.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

)

BAE Functional Requirement Document

Table # 6091

BAE Start Date:	04/30/1997	**BAE Name:**	Gail W. Deaton
BAE Comp. Date:	05/20/1997	**BAE Tele. No.:**	977-3615
BAE Hours:	6	**LA Assigned:**	

CMVC Component Name: CONFIGURATION EDITOR

Associated Defect/Feature No.: 6091

Target Release:

(give target release this needs to be in)   phase_2.1

Target Release Date:

(give target release date for this enhancement)   09/01/1997

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low   HI

Revision No.:
Reason for Revision:

Subject:

(brief description of change)   1   Add an edit to alert the user that a resource has been end dated.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1   Currently an expired resource can be assigned in the configuration tables. A edit needs to be in place that will make a call to the employee editor to check the resource end date.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1   When a user calls up a specific resource on any configuration table and tries to make updates to this resource, a call should be made to employee editor to see it this resource is expired.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1   Resource Group/Work Type – When changes or additions are entered on this form, a call should be made to see if the resource has expired. If the resource has not expired, allow the user to continue with updates. If the resource is expired, allow only deletes.

2   Resource Group/Wire Center Area – When changes or additions are entered on this form, a call should be made to see if the resource has expired. If the resource has not expired, allow the user to continue with updates. If the resource is expired, allow only deletes.

3   Resource Group/Work Type/Wire Center – Resource Group/Wire Center Area – When changes or additions are entered on this form, a call should be made to see if the resource has expired. If the resource has not expired, allow the user to continue with updates. If the resource is expired, allow only deletes.

Implement an edit to check the expiration date of the RESID. If the expiration is before today's date, allow the delete. If the expiration is today or in the future, do no allow the delete.

Error message should read: THE RESOURCE FOR THIS
UPDATE HAS EXPIRED. ONLY DELETIONS ARE
ALLOWED FOR THE RESID.

1.

Performance Requirements:

(list any performance requirements associated with this change)

1 Performance should not be affected by this feature.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1.

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1. The user will not be able to assign work on the Configuration Editor to a expired RESID. This will save invalid inputs from the user and also serve to notify the user that the RESID is expired.

Affected Components:	(Check) Yes	(Check) No
RTOC Instructions		
HELP		
User Guides	x	
Testing	x	
Infra-structure	x	
Management Reports		
Database		

Interfaces:

(list any legacy or new   1.
interface systems
impacted by this

change)

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)	1.	

Risks:

(list factors that impact,   1.
positive/negative, not doing
this change)

Business Rules:

(list any business rules that   1.
should apply)

Documentation Changes:

(list affected documents
requiring change)

Acceptance Criteria/Test Scenario:

| (list test scenarios required to test change prior to user acceptance) **REQUIRED** | 1 | Expire a RESID in Employee Editor. Next date – access the Configuration Editor and try to make a update. EMU should be generated that RESID is expired. |
| | 2 | Delete some information for this RESID. Verify the information is deleted. |

Attachments:

(copies of screens, reports, etc.   1.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 4652

BAE Start Date:	10/07/1996	**BAE Name:**	MARK SEAL
			GAIL DEATON
			LARRY RICE
BAE Comp. Date:	11/05/1996	**BAE Tele. No.:**	977-3618
			977-3615
			977-7436

BAE Hours: GAIL = 105 HOURS

MARK = 102 HOURS

LARRY = 45 HOURS

CMVC Component Name: OSPCM-STAND ALONE

Associated Defect/Feature No.:

Target Release:		**Target Release Date:**	
(give target release this needs to be in)	2.0	(give target release date for this enhancement)	6/01/1997

Priority:

(provide priority from 'feature priority' list – production_hi through deferred_low)   HI

Revision No.:

Reason for Revision:

Subject:

(brief description of change)

Make necessary software changes in order to deploy OSPCM system as a stand alone. This means without the mechanized interface with the OPEDS system.

Introduction:

(description of what system currently does, what needs to be changed, and why)

Currently the OPEDS system creates data and mechanically inputs that data into the OSPCM system. The OPEDS system also receives completion data mechanically from the OSPCM system. These two interfaces handle only the data necessary for interaction between these two systems and does not include data for other down stream systems such as (FP) financial processor.

Solution:

(describe what the system will or should do)

OSPCM will be modified to handle a manual encoding process which will encompass all the necessary data for the down stream accounting systems. OSPCM will also be modified, and an interface created to pass completion information to the down stream accounting systems.

Code has been developed in OPEDS by Watson Dorn to accept the data feed from OSPCM. This code adds data that is currently kept only in the OPEDS system and does some translations and then passes the information Requirement onto the FP (Financial Process) system. It is assumed that this code and the projected OPEDS to FP interface will be utilized when OSPCM is modified for a stand alone deployment. The overall procedure will encompass a very detailed level of complexity which is necessary in order to achieve the acceptable level of accuracy. It is assumed that is existing code along with Mr. Dorn and some part of his development team will be

incorporated into the OSPCM team responsible for the OSPCM Stand alone development effort. It should also be noted that some changes to this existing OPEDS code must be made in order to read data from OSPCM rather than the OPEDS data base.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

The existing code for the OPEDS to FP interface will be moved to the OSPCM system and will continue to feed the down stream financial system. By using this "already developed" code, the changes that will be needed are to add additional information in OSPCM and feed the OPEDS/FP interface code. This additional information is the data that would have been provided by the OPEDS data base if it were completed. All historical material reporting information which includes original, previous and correcting records will also be handled by this code. The changes in OSPCM that will be necessary are to the modules...Job-Entry EWO, Job-Entry Other, Scheduling, Management Reports, Billing and Reporting, Workstation and OPF Table.

1   **OSPCM FUNCTIONAL DECOMP'S – UPDATE**
   - Functional decomps will be revised to include the process of using the added code and the changes which include the additional data fields.

2.   **OSPCM "HELP" – UPDATE**
   - All of the "HELP" information on the affected screens and modules will be revised to reflect these changes.

3. OSPCM USER/INSTRUCTOR GUIDES - UPDATE

- User guides and instructor guides will be to include these changes in and additional data fields.

4. OSPCM/OPEDS COMPLETION CONTRACT - STANDALONE

- OSPCM will maintain the existing substep completion contract to be used in the event that the OPEDS system will eventually be completed. For a stand alone application a new substep completion contract will be developed and will contain all of the information necessary for the OPEDS/FP code to work correctly with the accounting system. This new substep completion contract (stand alone substep completion contract) will contain all of the data presently in the existing contract along with additional information as described below.

- These are not all fields but include the additions. OSPCM stand alone substep completion contract fields:

name	Character type	Length
job_nbr	alpha/numeric	9
print _nbr	alpha/numeric	4
step_nbr	alpha/numeric	6
substep_nbr	alpha/numeric	3
cmpl_dt	alpha/numeric	8
rco	alpha/numeric	8
rcc	alpha/numeric	8
frc	alpha/numeric	5
wc	alpha/numeric	8
work_act	alpha/numeric	4
work_env	alpha/numeric	1
direct_to_code	alpha/numeric	1
excpt_glc	alpha/numeric	1

material_item	alpha/numeric	15
cpr_cd	alpha/numeric	10
cpr_ind	alpha/numeric	1
mic_cd	alpha/numeric	10
pi_cd	alpha/numeric	1
order_qty	numeric	8
record_qty	numeric	8
year	numeric	4
ret_dt	numeric	8
tax_district	numeric	5
pcte_qtyret_ind	numeric	3
cmc_enc	alpha/numeric	8
cmc_rpt	alpha/numeric	8
misc_cd	alpha/numeric	3
misc_cd_value	alpha/numeric	16

- **MISC CODES** – Additional misc codes will be added to the drop down list on the work reporting screen. These codes are explained in this document on an individual basis. The new substep completion contract for a stand alone application will operate the as the current contract that is that multiple misc codes can be generated and passed with each substep completion.

- **CMC** -Two new fields will be added to the substep completion contract to identify the cmc responsible for encoding the job and the cmc responsible for reporting the job completion. When the substep completion contract is created the fields "cmc_enc" and "cmc_rptBecause" will be populated with the cmc__cd for which the job was encoded.

- **CPR CODE** - The cpr code will be added to the substep completion contract for all material items. The cpr code can

be obtained using the material item in the CID table when the substep completion contract is created. Note that if the cpr_ind is "N" then there will not be a cpr_code

- **CPR IND** – The cpr indicator will be added to the substep completion contract for all material items. The cpr indicator can be obtained using the material item in the CID table when the substep completion contract is created. Note that if the cpr_ind is "N" then there will not be a cpr_code

- **MIC CODE** - If a material item has a MIC code associated then this code will be populated in the substep completion contract in the "misc_cd" field. The mic code will be obtained using the material item from the CID table.

- **PI INDICATOR** - The pi_cd field will be added to the substep contract and populated based on the material item in the CID table. If the misc_cd in the mtl_misc_cd table is "PI" then the misc code value is entered on the substep completion contract in the pi_cd for the material item on the substep.

- **TAX DISTRICT** - A new field will be added to the substep completion contract and will be called "tax_dist. This field will have a value of 5 numeric characters.

- **YEAR PLACED** - A misc code of "YPL" will be used for a removal or abandon work action on added substeps. The value of this misc code will be 4 numeric characters and will be populated on the substep completion contract.

- **"YEAR" 'field.'-** The will be populated for on the front end. When these are completed the encoded year placed will be populated in the "YEAR" field on the substep completion contract. If there is a year placed encoded on the job entry screens and at the time of substep completion the misc of YPL is used then the value of the misc code is used to populate the YEAR field in the substep completion contract.

5. **MULTIPLE MODULES – TAX DISTRICT**

   - A new field of TAX" will be added to the **Job-entry screens** to facilitate the entry of tax districts. This field will be available on the **job level screen** and will then default to the **placing screen** and **removal screen.** If a substep has a different tax district then the user can over type the default. Pick list should be available in a drop down. The drop down should list all the valid tax district codes associated with the wire center entered. On the substep level, if a wire center is changed from the job level default, the tax district in the drop down should be associated with the new wire center entered. Tax districts will be validated against the Wire Center Area table in OSPCM. Currently tax district does exist in this table.

   - In **work reporting** the misc code of "TAX" will be added to the list of valid misc codes to enable the user to provide a tax district on added substeps. For encoded substeps, when the substep is completed, the misc code of "TAX" should be used when changing the encoded tax district. If no change is needed for an encoded tax district on a substep then no misc code is necessary. The system will use the

misc code value for TAX from the "mtl_mis_cd"
table if any exists to populate the substep
completion contract If there is not a misc code of
"TAX" in the mtl_misc_cd table then the encoded
tax district from substep_ewo will be used to
populate the substep completion contract This same
logic will apply to substep completions on the
BULK reporting screens.

- For **contractor completed** substeps the misc code
  of TAX will not be used. When a contractor
  completes a substep the tax district value that was
  encoded will be used to populate the substep
  completion contract. When a contractor adds a
  substep, it is cloned from another substep and the
  tax district will follow. When the substep
  completion contract is created for contractor
  substeps then the tax district field will be populated
  using the tax district value in substep_ewo.

6. **JOB ENTRY MODULE – PERCENT OWNERSHIP**

- A new field of TCP or "PERCENT OWNERSHIP"
  will be added to the job-entry screens at a Job level
  and the value will apply to all of the placing
  substeps on the job. The default value will be "100"
  and can be over typed at a substep level if
  necessary. No decimal should be in this field. This
  field will be added to the substep_ewo table and
  will be passed at a substep level in the substep
  completion contract.

7.   JOB ENTRY MODULE - MATERIAL DROP DOWN

- The job entry placing screen will be enhanced to add three additional fields in the material drop down box. The new fields will be :
    - material category
    - material subcategory
    - stock indicator
- Sort alphabetically and the order of the fields should be MATERIAL SHORT DESC / MATERIAL CATEGORY / MATERIAL SUBCATEGORY / STOCK INDICATOR
- Incorporate edit in drop down to show only the materials in the same material category that is derived from the material description entered.

8.   MULTIPLE MODULES - EXPAND JOB DESCRIPTION

- Expand the job description field to 65 characters. This expansion will affect:
    - **Job entry** information screen, job description field
    - **Scheduling** screens that display the job description
    - **Reports** that display the job description

9. JOB ENTRY - EDIT ON STEP NUMBERS

- Add edit on step numbers in Job Entry to make step number unique across the entire job. Currently the step number is associated with a print. Example, a job can have print 1 step 1 and print 2 step 1. The edit should disallow the duplication of step numbers.

Business Rule - Step number should be unique across the entire job.

10.- MULTIPLE MODULES – ADD WORK ID FIELD

- Add an ID field to further identify a work location, this field should be 6 characters and accept numbers and alpha characters. This field will be added to:

  - **Job-entry** screens of placing, splicing, other and removal
  - **Scheduling** screens
  - **Work station** reporting screens
  - **Contractor** work order screens
  - Contractor reporting screens
  - **Job-entry Other** screens
  - **Inspections**
  - **Reports**

- A edit is needed to require that the ID number is unique across the entire job.
- Business Rule - ID number should be unique across the entire job.

11. WORKSTATION - RE-DESIGN WORK REPORTING SCREEN

- Re-Design the work reporting screen to fit on a 15" monitor. We will maintain the substep grid and make the column widths adjustable. Change the column headings to reflect the following from left to right. Job, Print, Step, ID#, Work Act, Work Env., FRC, Type, Cmt, RB, Rmk, Mtl, Mrs, Status, Address. we will make the screen larger, the detail information tabs will be displayed on the lower portion of the screen. When the screen opens the cursor will be focused on the first substep and the details tab will reflect the detail information on that substep. The details icon will be eliminated. The address field on the materials detail tab will be removed and the splicing configuration grid from Job entry will be displayed in this area for splicing sub steps. The name of the first tab will be changed from "Materials" to "Details".

12. SCHEDULING - ADD COLUMN FOR WIRE CENTER

- Add to all scheduling screens an additional column which will reflect the job level wire center. This column will be inserted following the activity number column.

- Add to all scheduling screens an additional column at the far right called Job Description. This will be a 65 character field and will be sizable by the user.

13. **JOB ENTRY - "HOT KEYS"**

- Develop "Hot Keys[89] to allow the user to jump from grid to grid (without using the mouse) on the job entry placing, splicing, other and removal screens*

- File menu drop down should provide "Hot Key" mapping

14. **JOB ENTRY - LAUNCH PRICING**

- The ability for the user to access pricing without closing job entry and opening pricing.

  - The user should be able to launch pricing from job entry print/step/substep outline.

  - The user should not have to reopen the job that is currently being encoded. The job number should be carried forward into pricing.

  - Business Rule - Pricing cannot be executed unless the job is configured.

  - Business Rule - Pricing cannot be executed while step screen is open.

15. **PRICING - DIALOG BOX / CHANGE REPORT NAME**

- Change reports headings and buttons to PRELIMINARY and FIRM

  - change "Unapproved" term to "Preliminary"

  - change "Approved" term to "Firm"

- A dialog box should be displayed upon exiting pricing to prompt "Do you want to FIRM this price?".
  - Display if the job has not been FIRMED
  - Display if the job has had pricing changes since last FIRM

16. JOB ENTRY - POWER-SEARCH

- The job entry open existing job screen should go to the job # in the job number grid as it is keyed in the job number field.

17. JOB ENTRY - CONTRACT ITEMS BID SCREEN

- Give the user the ability to access the Contract Items Bid Screen after a successful configuration.
  - Currently the job must be approved in the pricing module before the user can access the Contract Items. Remove this edit.

18. JOB ENTRY – RESIZE INDICATOR

- A new indicator "RSIZE" will be added to the job-entry placing and removal screens at a substep level in order to identify when a material item is associated with resizing a terminal This indicator will default to "N" for no. "Y" in this field will indicate that the material item is associated with the resizing of a terminal and will be used to generate the CPR ADJP code of "M" which will be populated in the substep completion contract "N" in this field will indicate that the material item is not associated with a resize and will generate a "NULL" entry in the CPR ADJP field on the substep completion contract.
- Two new work actions will be created in Job-entry for use on the "OTHER" type substep screen to

facilitate the identification of CPR resizing information. The work actions will be "PCPR and RCPR". The quantity field will indicate the size of the terminal when either of these work actions are entered. Upon completion of a substep with either of these work actions the CPR ADJP code will be set to "R" for those substeps with a work action of RCPR and "P" for those substeps with a work action of PCPR. The substep completion contract will be populated with the usual data with the following completion exceptions and these will apply to substeps with either work action (PCPR..RCPR).

- The material_tem field in the substep completion contract will be populated with "TERM-[xxxx]pr" where the "xxxx" is equal to the "wa_qty" field in substep_ewo.
- The record___qty field in the substep completion contract will be populated with "1".

19. **JOB ENTRY - CLONE JOB/SUBSTEP.**

- **Clone Job** - Additional functionality will be added to job entry to facilitate cloning of a Job. An icon will be added to the Job Details screen in Job entry. The user will select a template job for the job to be cloned and then selects the icon. A dialog box is displayed allowing the user to enter job level details for the new job. The user enters the Job level details and either clicks "OK" or "CANCEL". If the user clicks cancel the dialog box disappears and the new job is not created. If the user enters a job number and clicks the OK then the Job number is to insure it is formatted correctly and does not

already exist. Once edited, the system creates the entire job with and substep data.

- Business Rule - Clone ID field as blank
- Business Rule - Clone address field as blank

- **Clone Substep** - An icon will be to the substep entry screens. When a substep is entered and focus is on that substep line, and the user clicks on the clone icon a dialog box will be displayed. The dialog box will ask how many substeps are required to be cloned. The dialog box will have "CANCEL and OK" buttons. When a number is entered and the OK button selected the system will create the additional substeps. If the user selects cancel then no new substeps are created.
- Business Rule - Clone ID field as blank

20. MULTIPLE MODULES - ADVANCED RETIREMENT

- A new indicator will be added to the substep_ewo table called RETJND. This indicator will default to "N" for no. The purpose of this indicator is to indicate that material has been retired and that retirement has been sent to the financial system. A new field in the substep completion contract will be added called "ret". This field will be populated from the substep_ewo table with a "N" for no and "Y" for yes.

  When a substep is encoded in job entry it may or may not have a retirement date entered at that time. If a retirement date is entered (that is...the date comes from the engineer), then the date is populated in the substep_ewo table in the retirement date field. The user can advance retire the material using this date by going to the Bulk Reporting screen and

displaying the job and clicking the advance retire icon. A dialog box is displayed showing the retirement date entered on the job entry screen. If the user does not want to retire the material at that time he can select CANCEL and nothing happens. If the user wants to go ahead and advance retire the material then he selects OK and the substep completion contract is populated. When the completion contract is populated for the advance retirement the RET field is set to "N" according to the substep_ewo table. Once the contract is . populated successfully, the system will change the indicator in the substep_ewo table from "N" to "Y". This indicates that the material has been retired even though the substep is not complete. When the substep is completed the completion contract is populated again and this time the RET IND in the substep_ewo table is set to "Y" so the RET field in the completion is set to "Y" indicating the material has already retired. The "ret_dt field in the substep completion contract is with he advance retirement date.

- When a substep is entered In job entry and a retirement date is not provided by the engineer the RET IND will default of "N". If the user wants to advance retire material he will access the Bulk Reporting screen and display the Job. The user then clicks on the advance retirement icon and a dialog box is displayed asking for a date. The user will enter the advance retirement date and click OK. The system will populate the substep completion contract and the RET field will be "N"...same as the

RET IND in the substep_ewo table. Once the completion contract is successfully executed the RET IND will be set to "Y" meaning that the material has been advance retired.

- When the substep is completed the substep completion contract is populated and the RET field is populated with a "Y" indicating that the material has already been retired. The "ret_Jf will be populated with the advance retirement date.

21.   JOB ENTRY-YEAR PLACED EDIT

- When a removal type substep is entered on the job entry screens an additional edit will be performed to check the material item and cpr indicator. If the material item has a cpr indicator set to "Y" then the year placed should be a required entry. If the cpr indicator is set to "NT then the year placed entry is not required.

22.   OFF TABLE - JOB CLOSE INTERVAL

- A new field will be added to the OPF table at a cmc level and will be called the Job Close Interval. The value in this table field will be 2 numeric characters (00 to 99) and should be user controlled and at a CMC level. The regional default will be 10. This will be the interval (in days) between the Job End Date and the Job Close Date. A batch process will be added to check the Job End Date and the Job Close Interval and if necessary populate the Job Close Date.

- Example: The Job End Date is 6-1 -1996. The Job Close Interval is set to 10. If the current date is 10 or more days past the Job End Date then the system will populate the Job Close Date with the current date.

NOTE: Once a job is closed it can not be re-opened for any reason.

- The routine that will populate the Job End Date is as follows; When the last substep on a job is completed the system will check the progressive engineering indicator. If the indicator is set to "Y" then no further action is required at that time. If the indicator is set to "N" when the last substep is completed then the system will check the 1NV_CD for all substeps. If this code is populated with a "N" or "I" for all substeps then the system will populate the Job End Date with the current date.

- When the progressive engineering application indicator is set to "Y" and the user changes the indicator to "N" then the system will do a check to see if all substeps on the job are complete and the Inv_cd is set to "N" or "I". If there are substeps that are not complete then no further action is needed. If there are substeps with the Inv_cd populated with a code other than "N" or "I" then no further action necessary. If all of the substeps are complete and the Inv_cd is populated with an "N" or T then the system will populate the Job End Date with the current date.

- If a job has the Job End Date populated with a date and a substep is uncompleted or if a new substep has been added to the job then the Job End Date will be removed. Once the additional substeps are completed then the system will go through the process as described above to populate the Job End Date and the Job Close Date fields.

23. MANAGEMENT REPORT - JOB CLOSE REPORT

- A mechanized Job Close report will created to list all of the jobs that have closed in the current week. The report will be sent mechanically to the cost office. This feed can probably be accomplished with a bufit file sent via E-MAIL The E-MAIL address for the cost office will be held in the OPF table in a new field called cost_mail_add.

- Management Reports will provide the same data on line in OSPCM on a similar report. This report will be requested by CMC and Date. The date will identify the particular week that data is being requested for. In addition a second report will be developed and available on a weekly and monthly basis which will be a list of all jobs that closed for the current month. On this report additional information will be included such as percent of open jobs that closed, etc.

24. TABLE – OPEDS WORK ACTION CONVERSION

- Presently the code developed by Watson Dorn includes a conversion work action table and it is assumed that this table will continue to be used in a stand alone application. The four work action codes that are used by the financial system are PLAC, REMO, PCPR and RCPR.

25. TABLE - OPF

- Additional information will be added to the OPF table at a regional and/or cmc level. The table will hold the default values for contract work involving (depth, width, diameter, new/existing). When the

system searches this table it will look at a CMC level and use the information available. If there is no information at a cmc level then the system will look at a regional level. If no information exists, then the user will have to input the data on the job entry placing screen. This is an existing feature [JBNTRY12.DOC] in the current application.

26. MANAGEMENT REPORT - PICS/DCPR

- A management report will be created to reflect the same data being retrieved from JMOS today. That is information associated with completed substep involving COE, DLC equipment. See attachment

27. JOB ENTRY - EXCEPTION GEO LOG

- A new field "EX GL" will be added to job entry removal screen for removal type substeps. This field will be used to enter the exception GL for removal substeps associated with COE and DLC equipment. When the FRC associated with this type of equipment is used then the system should edit this field and require that a valid GL has been entered.

28. SCHEDULING -ADD JOB DESCRIPTION TO SCHEDULING SCREENS

- Add a new column on the "Current Week, Next Week, 20 week limited and unlimited scheduling screens. This new column will be called "JOB DESCRIPTION". This new column will be the last column on the right hand side of all of the screens. The 65 character Job description will be populated in this column for each and every activity on the screen. The grid will continue to be adjustable and

will be left to the user to change and save the column widths.

29. OSPCM – WINDOWNS NT COMPATABILE

- The following should be designed to work on Windows NT
  - OSPCM
  - OSPCM managments reports
  - Chameleon
  - Focus for Windows
  - Navigator contracts
  - A letter should be drafted to all Outside Plant

Contractors to assure compatibility of software

30. ADDITIONAL ITEMS – FEASABILITY

- The following items will be evaluated during the detail design process to determine what if anything, can be done and the best way to accomplish these items.
- Default the work action on the job entry placing screen to "PLAC".
- Default the work action on the job entry splicing screen to "SPL".
- On the job entry placing screen, default the record qty and order qty on non cable material items to
- On the job entry placing screen, default the order qty to "1" on items when the record qty of "1" is entered.
- Add description to the work actions on the drop down menu on the job entry screens.

31.   JOB ENTRY - PERFORMANCE

- Edits are performed on each field as entered for the job entry screens. The system is slow in performing this edit and allowing the user to continue to the next field of input The response time of the system should be improved for these screens.

Performance Requirements:

(list any performance requirements associated with this change)

Job entry material drop downs may affect performance goal of 2 seconds. No significant difference in performance should be seen when opening the scheduling screens due to adding the Job Description field at an activity level.

Dependencies:

(list any defects or features that this enhancement is dependent on)

OSPCM interface to FP is dependent on the use of Watson Dorn's existing code.

Interfaces:

(list any interfaces that this enhancement is dependent on)

Job closed reports to Accounting
PICS/DCPR reports
Interface with the FP system

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

- Benefits in dollars &00.00.
- No reduced head count.
- Some time saving on encoding screens and very little if any on the time reporting screens. No savings on scheduling screens.

Affected Components:	(Check) Yes	(Check) No
Job – Entry	x	
Pricing	x	

Scheduling	x	
Workstation	x	
Contractor Reporting	x	
JE – Other	x	
HELP	x	
User Guides	x	
Testing	x	
Infra-structure	x	
Management Reports	x	
Database	x	

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X
(describe work around in detail)		

Risks:

(list factors that impact, positive/negative, not doing this change)

- The items critical to passing material to the down stream system (FP) must all be developed for OSPCM to work as a stand alone system.
- The items that are "nice to have" or allegedly reduce user work content are not critical to making OSPCM a stand alone application.
- Change of current personnel or a personnel reduction of OSPCM team members will have a severe impact on a June, 1997 deployment date.
- Watson Dorn code for FP interface not compatible with OSPCM or necessary changes not made by his development team members.
- Budget funding

Business Rules:

(list any business rules that should apply)

See Items above.

Documentation Changes:

(list affected documents requiring change)

- HELP
- User guides
- Instructor guides
- Functional decomp's
- Data Model
- Data dictionary

Test Scenario:

(list test scenarios required to test change)

To be furnished by Feb 01, 1997.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

- Job entry screens
- Pricing
- Scheduling
- Work station
- Contractor Reporting
- JE-Other
- Management Reports

Signatures of Agreement:

(add additional rows if necessary)

BAE:

BAE:

BAE:

BAE:

Lead Analyst:

Lead Analyst:

Lead Analyst:

Lead Analyst:

Table # 6212

BAE Start Date: 05/06/1997   BAE Name: Gail Deaton

BAE Comp. Date: 05/06/1997   BAE Tele. No.:   977-3615

BAE Hours: 1

CMVC Component Name   Job Entry - EWO

Associated Defect/Feature No.:

Target Release: Target Release Date:

(give target release this needs   Phase_2.1   (give target release date for this   09/1997

to be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   med

production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   Add percent ownership to the removal screen

Introduction:

(description of what system currently   1.   Currently the system is hard coded to enter 100 percent

does, what needs to be changed, and   ownership for BellSouth. In the case of partial ownership,

why)   OSPCM cannot generate the appropriate transaction to FP.

Solution:

(describe what the system will or should do)

1.   OSPCM should allow the entry of percent ownership for removal items.

Change(s):

1.   Add the field "PCT" for percent ownership on the removal screen for Job Entry – EWO. Default the entry in this field to 100. Allow the user to overtype with changes.

Performance Requirements:

(list any performance requirements associated with this change)

1.   None

Dependencies:

(list any defects or features that this enhancement is dependent on)

1.

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1.   Allows for the proper reporting of material removal items that are partially owned.

8. Affected Components: (Check)(Check)

	Yes	No
RTOC Instructions		
HELP	x	
User Guides		
Testing	x	
Infra-structure		
Management Reports		
Database		

(Check)   (Check)

Work-around:	Yes	No
(is there a temporary work around?)	x	
(describe work around in detail)	1.	The work around is to default "PCT" to 100 for all removal items.

Risks:

(list factors that impact, positive/negative, not doing this change)   1.

Business Rules:

(list any business rules that should apply)   1.

Documentation Changes:

(list affected documents requiring change)   1.

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance) REQUIRED   1.   Enter a substep on the removal screen.

Change to default from 100 to 80.

Complete the step and follow the transaction to FP.

Attachments:

(copies of screens, reports, etc. before and after proposed change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE FUNCTIONAL DOCUMENT

Table # 6249_FS

BAE Start Date:	04/15/1997	**BAE Name:**	Mark Seal
BAE Comp. Date:	04/18/1997	**BAE Tele. No.:**	205-977-3618
BAE Hours:	10.5	**LA Assigned:**	

CMVC Component Name: WORKSTATION --- JOBENTRY EWO --- MATERIALS MODULES

Associated Defect/Feature No.:   6249

Target Release

(give target release this   2.01

needs to be in)   2.1

Target Release Date:

(give target release date

for this enhancement, if

required

Priority:

(provide priority from 'feature   HI

priority' list – number

preliminary assigned by SME)

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   ADD, CHANGE AND DELETE EDITS TO HANDLE THE ENCODING, ORDERING, RECEIPTING, INVENTORYING, REPORTING AND DISBURSEMENT OF ASSEMBLY ITEMS.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1.   CURRENTLY THE SYSTEM DOES NOT HANDLE ASSEMBLY ITEMS CORRECTLY FOR EXAMPLE:

- NON-ASSEMBLY MATERIAL ITEMS, SUCH AS CABLE, CAN BE ORDERED AS PART OF AN ASSEMBLY.
- THERE IS A POTENTIAL FOR NOT ORDERING ALL OF THE ITEMS IN AN ASSEMBLY.
- SINCE OSPCM INVENTORIES XPIDED AND NON-XPIDED ASSEMBLY ITEMS DIFFERENTLY, THERE ARE PROBLEMS WHEN THE USER COMPLETES THE SUBSTEPS FOR THE FACTORY ADD-ON ITEMS.
- THE USER WOULD NOT BE ABLE TO RECEIPT THE CABINET IN AN ASSEMBLY THAT HAD AN XPIDED ADD-ON IF IT WAS NOT THE FIRST ITEM ON THE ORDER.
- SINCE CABINETS ARE MAINLY PLACED BY A CONTRACTOR AND CWIS ARE NOT GENERATED FOR ANY ADD-ON ITEMS, THE SUBSTEPS FOR ANY FACTORY ADD-ON ITEMS WOULD NEVER GET COMPLETED BECAUSE THEY DON'T APPEAR ON THE CONTRACTORS SCREEN.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. Change the system to ensure that an assembly item is encoded correctly.

2. Change the system to ensure all items in an assembly are ordered at the same time.

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3. Change the system so that the user can only receipt the cabinet within an assembly item and have the system auto-receipt the add-on items.

4. Change the system so that only the user must complete only substep that contains the cabinet and have the system auto-complete the add-on items. This will be for work reporting, bulk reporting and contractor reporting.

Change(s):

(detailed description of change/addition) – [add additional rows if multiple changes]

1. **JOBENTRY**

    1. Remove any existing edits referring to XPIDS (A PIDed item beginning with an "X"). This will allow the system to handle all types of PIDed materials with assembly codes.

    2. **Business Rule: Material Items having an assembly indicator = "Y", must be encoded with an assembly code.** Add additional edits to the Jobentry screens so that when material is entered without an assembly code, the system will check the Assembly Indicator in the OSPCM MATERIAL ITEM TABLE. If the Assembly Indicator is set to "Y", then return an error message to the user saying 'THIS MATERIAL ITEM CANNOT BE ENTERED WITHOUT AN ASSEMBLY CODE". If the Assembly Indicator is set to "N", then allow the entry.

    3. **Business Rule: If an assembly is encoded, one of the substeps with that assembly code in that step must be for a cabinet having a subcategory code of "CABINET-HW" or "CABINET=HW&PI".** Add additional edits to the Jobentry screens so that when

material is with assembly the system will check the Assembly in the OSPCM MATERIAL ITEM. If the Assembly Indicator flag is set to "Y", then an additional check will be made to all other material entered on the same Step with the same assembly code. A substep having a cabinet description from the Category of Circuit_Eqpt and the Sub-Category of "CABINET-HW" or "CABINET-HW&PI must exist with the same assembly code. If a cabinet description from the Category of Circuit_Eqpt and the Sub-Category of "CABINET-HW" or "CABINET-HW&PI" does not exist, then return an error message saying THIS ITEM CANNOT BE ENTERED WITHOUT A CABINET WITH THE SAME ASSEMBLY CODE ON THIS STEP." If a cabinet description from the Category of Circuit_Eqpt and the Sub-Category of "CABINET-HW" or "CABINET-HW&PI" does exist and has the same assembly code then allow the entry.

4. **Business Rule: Material Items having an assembly indicator = "N", cannot be encoded with an assembly code, unless the material item has a subcategory code of "CABINET-HW" or "CABINET=HW&PI.** When material is entered and an assembly code is entered, the system will check the OSPCM MATERIAL ITEM TABLE. If the item entered has an Assembly Indicator flag set to "N", then check to see if the material item is in either of the sub-categories of "CABINET-HW" or "CABINET-HW&PI" under the category of CIRCUIT-EQPT. If the item is not in one of these sub-categories then return an error message to the user saying "AN ASSEMBLY CODE IS NOT ALLOWED ON THIS MATERIAL ITEM".

5.   **Business Rule: Only one cabinet may exist per assembly code within a job step.** If the assembly indicator is "N" and the item has a subcategory of "CABINET-HW" or "CABINET-HW&PI", then verify that only one item from these sub-categories exist with the same assembly code on the same step. If only one cabinet exists then allow the entry. If the user is attempting to enter more than one cabinet per assembly then return an error message saying "NO MORE THAN ONE CABINET IS ALLOWED FOR EACH ASSEMBLY CODE".

6.   **Business Rule: If a cabinet is encoded with an assembly code, there must exist at least one substep in that assembly for factory add-on material on that step.** If the user enters a cabinet description from the Category of Circuit_Eqpt and the Sub-Category of or "CABINET-HW&PI" with an assembly code then at least one other substep with a material item having an assembly indicator equal to "Y" must have the same assembly code on the same step. If no other of these substeps exist, then return an error message saying "FACTORY ADD-ON MATERIAL MISSING FROM THIS ASSEMBLY".

7.   **Business** Rule: Cannot a substep **to an assembly item** if the cabinet for that **assembly item has already been** ordered, If the user attempts to add a material item with an assembly code after the assembly item has been ordered then return an error message saying "CANNOT ADD MATERIAL ITEMS TO A MATERIAL ASSEMBLY ITEM THAT HAS ALREADY BEEN ORDERED".

8. **Business Rule: Assembly codes are alphanumeric and the field size is 1.** Do not allow the user to type in any other character other than A-Z or 0-9.

2. **MATERIALS ORDERING & RECEIPTING**

   1. Remove any existing edits referring to XPIDS (Except the one that ensures that the XPIDed item is the first item on the order. See #3 below.). This will allow the system to handle all types of PIDed materials with assembly codes.

   2. Change the material application to add an edit to insure that all items with the same assembly code on a step are ordered at the same time. This needs to be true from the "Show Needed Requirements" option and the "Show Today's Requirements" option. Normally the cabinet will have the longest ship interval so the system should calculate an order date for each item in the assembly based on the cabinet order date.

   3. The order process should continue to insure that if ordering an XPIDed item that it be the first item on the order. Usually the cabinet is XPIDed, but if ordering a non-XPIDed cabinet and an XPIDed add on item, the XPIDed add-on item must be the first item on the order. CAPRI has a business rule which requires that the XPIDed item, if one exists, be the first item on the order. If multiple XPIDed items exist on the order, it doesn't matter which one comes first.

   4. Change the materials "Order Receipting Process" so that when items with assembly codes are receipted, only the cabinets are receipted by the user. Any add on items should be auto-receipted by the system when the cabinets are receipted in OSPCM. Do not create order receipt transactions for the factory addition items, but

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change their substep material status to "R". When receipting, only the cabinet should be placed in the inventory. Do not create inventory items for the factory addition items.

3.   MATERIAL REPORTING & DISBURSEMENTS

1.   In **workstation** the user will see the substep displayed only for the cabinet in an assembly item. The substeps for the factory add-on items will be masked or will not be displayed.

2.   In BULK Reporting screens, the user will see the substep displayed only for the cabinet in an assembly item. The substeps for the factory add-on items will be masked or will not be displayed.

3.   This same process should be followed when a user completes on the Bulk reporting screens at a Job, Print and Step level.

4.   In **Billing and Reporting** the contractor will see the substep displayed for only the cabinet only in an assembly item. This is mainly because only the cabinet placement should generate CWI's. The substeps for the factory add-on items will be masked or will not be displayed because they do not have CWI's associated.

5.   When the user completes the substep that contains the cabinet, a material usage record is created and sent to materials for disbursement from the inventory. If that cabinet is part of an assembly, the materials disbursement process will auto-disburse the substeps containing the factory add-on items in that assembly by changing the substep material status to "D" and changing the substep status to "CO".

6.   The auto-disbursing process will not attempt to delete the factory add-on items from the inventory.

Performance Requirements:

(list any performance requirements associated with this change)

1.   There should be no noticeable affect on performance.

Dependencies:

(list any defects or features that this enhancement is dependent on or that will be dependent on this feature)

1.   NONE

Benefits:

(provide benefits in dollars, reduced headcount, time savings, etc. for doing this work)

1.   Can handle the encoding, ordering, receipting, inventorying, reporting and disbursing of assembly items.

Affected Components:	**(Check)** Yes	**(Check)** No
RTOC Instructions		
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports	x	
Database		

Interfaces:

(list any legacy or new
interface systems impacted by
this change)

1.   The DCPR report in the Management Reports Module will display all cabinets and all add-on information. This is already in effect with the existing report.

	(Check)	(Check)
Work-around:	Yes	No
(is there a temporary work around?)		X

(describe work around in
detail)

There are work-arounds for part of this process, but it leaves "holes" in other areas of the application. For example,

- M&Ps could be written to handle most of the jobentry edits, but if cable is ever encoded with an assembly code, that cable would be shipped to the vendor.
- M&Ps could be written to instruct the user to order assembly items from the "Show Needed Requirements" window, but if they don't we may not order all of the items in the assembly since we cannot guarantee that all of the items would receive the same order date.
- Since we inventory add-on items in a non-XPIDed assembly and don't inventory add-on items in a XPIDed assembly, reporting doesn't know how to "complete" the substeps. They could report zero quantity on those add-ons in the XPIDed assembly, but how would the user know the difference between an XPIDed assembly and a non-XPIDed assembly.
- There is no work-around in the receipting process for XPIDed

assembly items that have XPIDed add-ons. The user would not be able to receipt the cabinet if it wasn't the first item on the order.

Risks:

(list factors that impact,
positive/negative, not doing
this change)

1.   If this change is not done then the potential exists for some items in an assembly to be missed in the ordering process. Other items could be reported incorrectly. The user could order items in an assembly like cable and other non-assembly type items. This will lead to unnecessary expense to reconcile these types of situations.

Business Rules:

(list any business rules or constraints that should apply.)

1. See changes above.

Document Changes:

(list affected documents requiring change)

1. Help and User Guides

Acceptance Criteria/Test Scenario:

(list test scenarios required to test change prior to user acceptance, this can be updated after the detailed design is complemented.) **REQUIRED**

1. Attempt to input into the jobentry screens a substep containing a description from the material item table category of Circuit_Eqpt and a sub-category of CABINET-ADD-FAC. Do not enter an assembly code. Result should be an error message saying you need an assembly code with this material item.

2. Add the assembly code above and try to save and close. Result - should get error message saying that a cabinet must have the same assembly code on the same step. Enter the cabinet from either of the sub-categories of "CABINET-HW" or "CABINET-HW&PI" under the category of CIRCUIT-EQPT on a different step with the same assembly code, (try each cabinet) Result - should get same error message.

3. Enter a cabinet from some other Category and sub-category with the same assembly code on the same step and the result should be the same error message.

4. Enter the cabinet from both of the sub-categories of "CABINET-HW" or "CABINET-HW&PI" under the category of CIRCUIT-EQPT on the same step with the same assembly code. Result -should get error message saying that only one cabinet is allowed in an assembly item.

5. Remove one of the cabinets and the system should accept the entry

6. Encode a substep for a material description having an assembly indicator = "N" (i.e., cable) and enter an assembly code. Result - should

get error message saying that an assembly code is not allowed on this material item.

7. Encode a substep for a cabinet having a subcategory of "CABINET-HW" or "CABINET-HW&PI with an assembly code but don't encode a factory-added substep on the step. Save the substep. Result - should get an error message stating that factory add-on material is missing from the assembly.

8. Try to enter a non-alphanumeric character as the assembly code. Result - should not be able to produce the keystroke.

9. Verify that after configuration that the substeps for the assembly item are in different activities.

10. Verify that all of the material on the assembly item has the same order date when being ordered. This date should be based on the shipping interval of the cabinet

11. Verify that the XPIDed item is always the first item listed on the order.

12. Try to add a factory add-on substep to an assembly after the cabinet has been ordered. Result - should get an error message which states that the substep cannot be added because the cabinet in that assembly has already been ordered.

13. Verify that only the cabinet can be receipted on an assembly item. Receipt the cabinet on an assembly item. Verify that all of the other items in the assembly item are auto-receipted and that only the cabinet is placed in the inventory.

14. Go to workstation and build a work report. Report the substep containing a cabinet that is part of an assembly item.

15. Verify that the substeps in the assembly item that don't contain the cabinet are not seen or that they are grayed out on the screen. Verify that all other substeps containing that are part of the assembly are completed.

16. Verify that a material is created for the cabinet only. Verify that only the cabinet is removed from the inventory.

17.   Go to Bulk reporting screens and complete a substep containing the cabinet of an assembly item. Verify that the substeps in the assembly item that don't contain the cabinet are not seen or that they are grayed out on the screen

18.   Verify that all other substeps containing material that are part of the assembly item are auto-completed.

19.   Verify that a material usage is created for the cabinet only. Verify that only the cabinet is removed from the inventory.

20.   Repeat this process in Bulk Reporting at the Job, Print and Step level.

21.   Go to Billing and Reporting and complete a substep containing the cabinet of an assembly item. Verify that the substeps in the assembly item that don't contain the cabinet are not seen.

22.   Verify that all other substeps containing material that are part of the assembly item are auto-completed.

23.   Verify that a material usage is created for the cabinet only. Verify that only the cabinet is removed from the inventory.

- Include test cases for XPIDed and non-XPIDed assembly items.
- Include test cases for an XPIDed add-on item with an XPIDed cabinet and an XPIDed add-on item with a non-XPIDed cabinet.

Attachments:

(copies of screens, reports, etc. before and after proposed change – only identify if the customer requires the screen or something on the screen to look a certain way)

1.   NONE

Signatures of Agreement:
(add additional rows if necessary)
BAE:
Lead Analyst:

BAE Functional Requirement Document

Table # 6372

BAE Start Date: 06/18/1997   **BAE Name:** Gail Deaton

BAE Comp. Date: 06/24/1997   **BAE Tele. No.:** 977-3615

BAE Hours: 6   **LA Assigned:**

CMVC Component Name: Job Entry – EWO

Associated Defect/Feature No.:   6372

Target Release: **Target Release Date:**

(give target release this needs to   2.1   (give target release date for this   9/97
be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   production_hi
production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   Add code behind the CST/MPT number currently
                                       entered on the Job Information screen to route the work the
                                       proper resource.

Introduction:

(description of what system currently does, what needs to be changed, and why)

1. Currently the CST/MPT number is a required field on the Job Information screen, but this information is not used by the system. Code needs to be built to use the CST/MPT number in configuration to determine which team to assign work to. This is required because currently there are instances of a MPT and a CST team being assigned to the same wire center. The system will assign the work to the resource that it finds first The user needs the ability to choose.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1. The configuration editor should look for a CST/MPT number in resource assignment when configuring the job. If a match is found, then assign the work to the resource associated with the CST/MPT # entered.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1. EMPLOYEE EDITOR - add a field on the resource line to assign a CST/MPT# This field should be optional. This field should be 2 characters. This field should be effective on the day it is input No effective date is required!

2. JOB INFORMATION SCREEN - Change the CST/MPT# field to optional.

3. CONFIGURATION - On a substep save, the existing configuration code assigns a resource by selecting the first resource it comes to that can perform the substep work type in the wire center

    • If a CST/MPT# is populated. Change the configuration process to read if a CST/MPT# is populated, if this field is populated, find a match with the resource that can perform the

substep work type. Assign the work to this resource. This must be done for every substep.

- If the CST/MPT# is blank. Assign a resource to the substep as in the existing code.

- If the CST/MPT# is populated but no matches are found in the resources that can perform the work. Assign a resource to the substep as in the existing code.

4. If a CST/MPT# is changed or deleted after configuration. The entire job must be reconfigured. Enter a message on the save, when this field is changed after a initial configuration. EMU should read. You are possibly changing the assignment of resources for this job. Do you want to continue and reconfigure the job. YES or NO

Performance Requirements:

(list any performance requirements associated with this change)

1 Performance should not be affected by this feature.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1.

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1. The current code does not allow the assignment of a CST or MPT team. Changes to direct the work to the correct resource are currently being performed after configuration in the scheduling module. This function will eliminate the manual effort associated with moving this work to the proper resource.

Affected Components:	(Check) Yes	(Check) No

RTOC Instructions

HELP

User Guides

Testing	x	

Infra-structure

Management Reports	x	

Database

Interfaces:

(list any legacy or new interface systems impacted by this change)   1.

	(Check) Yes	(Check) No
Work-around:		
(is there a temporary work around?)	X	

(describe work around in detail)   1. The work is moved to the proper resource in the scheduling module manually.

Risks:

(list factors that impact, positive/negative, not doing this change)   1. Confusion of the users by thinking that the input of the CST/MPT # will drive the work to the proper resource. The confusion of the work being assigned to the wrong resource and the manual effort to correct the problem.

Business Rules:

(list any business rules that should apply)   1.

Documentation Changes:

(list affected documents
requiring change)

1.

**Acceptance Criteria/Test
Scenario:**

(list test scenarios required to
test change prior to user
acceptance) **REQUIRED**

1.   Assign CST/MPT # "1" to a existing resource in test. Assign CST/MPT # "51" to a different resource.

- Verify that the field is optional.
- Verify that the changes in this field are effective immediately.

2.   In configuration tables - assign the same work to each of the two resources for a wire center.

3.   In Job Entry EWO enter a new job (in the wire center that was changed in configuration) and specify CST/MPT # "1" on the job information screen.

- Enter substeps on the job and save.
- Configure the job.
- Print the 206 Report out of Workstation Presurvey to verify the assignment of the correct resource.

4.   In Job Entry EWO enter a new job and specify CST/MPT # "51" on the job information screen.

- Enter substeps on the job and save.
- Configure the job.
- Print the 206 Report out of Workstation Presurvey to verify the assignment of the correct resource.

5.   In Job Entry EWO enter a new job in a and specify CST/MPT # **"blank"** on the job information screen.

- Enter substeps on the job and save.
- Configure the job.
- Print the 206 Report out of Workstation Presurvey to verify the assignment of one of the resources. (System should

have selected the first it came to.)

6. In Job Entry EWO enter a new job in a and specify CST/MPT # "99" on the job information screen.

   - Enter substeps on the job and

     save. « Configure the job.

   - Print the 206 Report out of Workstation Presurvey to verify the assignment of one of the resources. (System should have selected the first it came to.)

7. In Job Entry EWO enter a new job in a and specify CST/MPT # "1" on the job information screen.

   - Enter substeps on the job and save.

   - Configure the job.

   - Print the 206 Report out of Workstation Presurvey to verify the assignment of the resource associated with CST/MPT # 1.

   - Access the Job Information screen again. Change the CST/MPT# to "51 "and save.

   - You should get EMU "You are possibly changing the assignment of resources for this job. Do you want to continue and reconfigure the job? YES or NO

   - Select YES

   - Print the 206 Report out of Workstation Presurvey to verify the assignment of the resource associated with CST/MPT # 51.

8. In Job Entry EWO enter a new job in a and specify CST/MPT # "1" on the job information screen.

   - Enter substeps on the job and save.

   - Configure the job.

   - Print the 206 Report out of Workstation Presurvey to verify the assignment of the resource associated with CST/MPT # 1.

   - Access the Job Information screen again. Change the CST/MPT # to "51 "and save.

- You should get EMU "You are possibly changing the assignment of resources for this job. Do you want to continue and reconfigure the job? YES   or NO
  - Select NO
  - Print the 206 Report out of Workstation Presurvey to verify the assignment of the resource associated with CST/MPT # 1.

Attachments:

(copies of screens, reports, etc.   1.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst:

BAE Functional Requirement Document

Table # 6403

BAE Start Date: 05/15/1997   **BAE Name:**   Gail Deaton

BAE Comp. Date: 05/15/1997   **BAE Tele. No.:**   977-3615

BAE Hours: 2   **LA Assigned:**

CMVC Component Name: CS – Job Entry Editor

Associated Defect/Feature

No.:

Target Release: **Target Release Date:**

(give target release this needs to   phase_3.0   (give target release date for this   09/01/1997
be in)   enhancement)

Priority:

(provide priority from 'feature priority' list –   med
production_hi through deferred_low

Revision No.:

Reason for Revision:

Subject:

(brief description of change)   1.   Develop a presentation for the CI and the CWI tables

Introduction:

(description of what system currently does, what needs to be changed, and why)

1.   OSPCM currently does not have a presentation for the CI and the CWI table. Core Staff must access ISQL forms to enter updates to these tables. Adding these forms (with edits) to OSPCM will reduce the difficulty of these table updates. In addition, the user currently does not have access to view these tables. By having this forms in CS -Job Entry Editor, the user can view these tables.

Solution:

(describe what the system will or should do and any general constraints or conditions that limit the solution)

1.   Develop a presentation for the CI and the CWI tables. The fields that are available on the current ISQL forms should be used.

2.   Search will be focused on the individual CI code or the CWI code.

Change(s):

(detailed description of change) – [add additional rows if multiple changes]

1.   Add the CI and the CWI table forms to CS – Job Entry Editor.

Performance Requirements:

(list any performance requirements associated with this change)

1.   Performance should not be affected.

Dependencies:

(list any defects or features that this enhancement is dependent on)

1.

Benefits:

(Provide benefits in dollars, reduced headcount, time saving, etc, for doing this work)

1.   Benefit from this feature is ease in table updates and the accuracy of data.

Affected Components:	(Check) Yes	(Check) No
RTOC Instructions		
HELP	x	
User Guides	x	
Testing	x	
Infra-structure		
Management Reports		
Database		

Interfaces:

(list any legacy or new interface systems impacted by this change)   1.

	(Check) Yes	(Check) No
Work-around:		
(is there a temporary work around?)	X	
(describe work around in detail)	1. Leave form access in ISQL.	

Risks:

(list factors that impact, positive/negative, not doing this change)   1.   Accuracy of data and access for the user will be impacted, if this feature is not done.

Business Rules:

(list any business rules that should apply)   1.

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Documentation Changes:

(list affected documents   1.

requiring change)

Acceptance Criteria/Test Scenario:

(list test scenarios required to   1.   Compare the OSPCM CI and CWI presentation to the ISQL

test change prior to user   presentation and verify that all fields are captured.

acceptance) **REQUIRED**   2.   Make changes in the fields for a CI and save. Make sure the

                                        changes are saved and applied to configuration

                        3.   Make changes in the fields for a CWI and save. Make sure the

                                        changes are saved and applied to configuration.

                        4.   Log on as a read-only user type. Make sure this user type does

                                        not have update capability.

Attachments:

(copies of screens, reports, etc.   1.

before and after proposed

change)

Signatures of Agreement:

(add additional rows if necessary)

BAE:

Lead Analyst: